90-05495/

THE ST. LAWRENCE SEAWAY

TRAFFIC REPORT — 1989 NAVIGATION SEASON

PREPARED BY

THE ST. LAWRENCE SEAWAY AUTHORITY

AND

THE SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION

Available from:

Saint Lawrence Seaway Development Corporation
P.O. Box 44090
WASHINGTON, D.C. 20026-4090

Library of Congress No. HE630.S17S23

and, in French or English, from:

The St. Lawrence Seaway Authority
Constitution Square
1400-360 Albert Street
Ottawa, Canada
K1R 7X7
Telephone: (613) 598-4614

Editorial Notes

The Traffic Report for the St. Lawrence Seaway is an annual publication prepared jointly by The St. Lawrence Seaway Authority and the Saint Lawrence Seaway Development Corporation. Prior to 1983, the last jointly prepared Traffic Report was published in 1976. During the interim years, separate reports were published by the two entities.

The primary contents of this report is divided into four parts:

Part I - Table summaries of the 1989 St. Lawrence Seaway traffic activities by traffic sectors; the Montreal-Lake Ontario Section and the Welland Canal Section.

Part II - Table summaries of cargo and vessel movements through the St. Lawrence Seaway. These tables represent total Seaway traffic, eliminating duplication of vessel transits and cargo quantities moved through more than one traffic sector.

Part III - Table summaries of cargo and vessel movements through the Montreal-Lake Ontario Section of the St. Lawrence Seaway.

Part IV - Table summaries of cargo and vessel movements through the Welland Canal Section of the St. Lawrence Seaway.

As in past years, transits and gross registered tonnages for non-toll traffic are not included in this report.

Users of this report should note that all cargo and transit figures are based on the transit of at least one lock of the section of the Seaway for which statistics are given.

TABLE OF CONTENTS

	Page
PART I - St. Lawrence Seaway Toll Traffic	1
Definitions	3
Table 1T - Traffic Summary	5
Table 2T - Commodity Summary	6
Historical Table 3T - Tolls Revenue 1959-1989	7
Historical Table 4T - Actual Opening and Closing Dates of Navigation 1959-1989	8
PART II - Combined Toll Traffic for both Montreal-Lake Ontario and Welland Canal Sections	9
Table 1C - Traffic by Type of Vessel	10
Table 2C - Traffic by Origin of Cargo and Type of Vessel	11
Table 3C - Traffic by Class and Type of Vessel	12
Table 4C - Traffic by Type of Transit and Type of Vessel	13
Table 5C - Traffic by Origin and Destination	14
Table 6C - Traffic by Type of Cargo	15
Table 7C - Part A - Traffic by Type of Transit and Cargo (Upbound)	16
Table 7C - Part B - Traffic by Type of Transit and Cargo (Downbound)	17
Table 8C - Traffic by Country of Registry	18
Table 9C - Traffic by Classification and Type of Cargo	19
Table 10C - Part A - Traffic by Commodity Classification and Nationality (Upbound)	20
Table 10C - Part B - Traffic by Commodity Classification and Nationality (Downbound)	21
Table 11C - Traffic by Selected Canadian Ports	22
Table 12C - Traffic by Selected United States Ports	23
Table 13C - Traffic by Selected Foreign Countries	24
Historical Table 14C - Traffic Results 1959-1989	25
Historical Table 15C - Cargo by Tariff Classification 1959-1989	26
Historical Table 16C - Total Tolls Revenue 1959-1989	27

continued ...

TABLE OF CONTENTS

Page

PART III - Toll Traffic for the Montreal-Lake Ontario Section 29

Table 1M - Traffic by Type of Vessel 30
Table 2M - Traffic by Origin of Cargo and Type of Vessel 31
Table 3M - Traffic by Class and Type of Vessel 32
Table 4M - Traffic by Type of Transit and Type of Vessel 33
Table 5M - Traffic by Origin and Destination 34
Table 6M - Traffic by Type of Cargo 35
Table 7M - Part A - Traffic by Type of Transit and Cargo (Upbound) 36
Table 7M - Part B - Traffic by Type of Transit and Cargo (Downbound) 37
Table 8M - Traffic by Country of Registry 38
Table 9M - Traffic by Classification and Type of Cargo 39
Table 10M - Part A - Traffic by Commodity Classification and Nationality (Upbound) 40
Table 10M - Part B - Traffic by Commodity Classification and Nationality (Downbound) 41
Table 11M - Traffic by Vessel Length 42
Table 12M - Traffic by Vessel Size in Gross Registered Tons 43
Table 13M - Traffic by Month and Type of Cargo 44
Historical Table 14M - Traffic Results 1959-1989 45
Historical Table 15M - Cargo by Tariff Classification 1959-1989 46
Historical Table 16M - Total Tolls Revenue 1959-1989 47
Historical Table 17M - Vessel Transits 1959-1989 48
Historical Table 18M - Vessel Analysis 1959-1989 49
Historical Table 19M - Cargo by Transit and Vessel 1959-1989 50
Historical Table 20M - Traffic by Vessel Length 1959-1989 51
Historical Table 21M - Commodity Groups 1959-1989 52
Historical Table 22M - Selected U.S. Grains 1959-1989 53
Historical Table 23M - Selected Canadian Grains 1959-1989 54
Historical Table 24M - Selected Mining Commodities 1959-1989 55
Historical Table 25M - Selected Processed Commodities 1959-1989 56
Historical Table 26M - Cargo Tonnes by Origin-Destination 1959-1989 57

continued ...

TABLE OF CONTENTS

	Page
PART IV - Toll Traffic for the Welland Canal Section	59
Table 1W - Traffic by Type of Vessel	60
Table 2W - Traffic by Origin of Cargo and Type of Vessel	61
Table 3W - Traffic by Class and Type of Vessel	62
Table 4W - Traffic by Type of Transit and Type of Vessel	63
Table 5W - Traffic by Origin and Destination	64
Table 6W - Traffic by Type of Cargo	65
Table 7W - Part A - Traffic by Type of Transit and Cargo (Upbound)	66
Table 7W - Part B - Traffic by Type of Transit and Cargo (Downbound)	67
Table 8W - Traffic by Country of Registry	68
Table 9W - Traffic by Classification and Type of Cargo	69
Tabel 10W - Part A - Traffic by Commodity Classification and Nationality (Upbound)	70
Table 10W - Part B - Traffic by Commodity Classification and Nationality (Downbound)	71
Table 11W - Traffic by Vessel Length	72
Table 12W - Traffic by Vessel Size in Gross Registered Tons	73
Table 13W - Traffic by Month and Type of Cargo	74
Historical Table 14W - Traffic Results 1959-1989	75
Historical Table 15W - Cargo by Tariff Classification 1959-1989	76
Historical Table 16W - Total Tolls Revenue 1959-1989	77
Historical Table 17W - Vessel Transits 1959-1989	78
Historical Table 18W - Vessel Analysis 1959-1989	79
Historical Table 19W - Cargo by Transit and Vessel 1959-1989	80
Historical Table 20W - Traffic by Vessel Length 1959-1989	81
Historical Table 21W - Commodity Groups 1959-1989	82
Historical Table 22W - Selected U.S. Grains 1959-1989	83
Historical Table 23W - Selected Canadian Grains 1959-1989	84
Historical Table 24W - Selected Mining Commodities 1959-1989	85
Historical Table 25W - Selected Processed Commodities 1959-1989	86
Historical Table 26W - Cargo Tonnes by Origin-Destination 1959-1989	87

PART I

St. Lawrence Seaway Toll Traffic

Definitions

and 1989

Traffic Summaries

DEFINITIONS

In this report cargo quantities are recorded in metric tonnes. If required, short ton equivalences may be calculated by multiplying the metric quantities using the 1.1023 conversion factor. Historical cargo data, published in short tons prior to 1978, have been converted to metric equivalences.

For the interpretation of the tabulations contained in this traffic report the following definitions should be noted:

a) **Bulk Cargo** - the tonnes of bulk cargo assessed at the Bulk rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.

b) **Cargo Tonnes** - the tonnes of cargo carried by a vessel on each or any transit.

c) **Coastal** - means transits to or from the Maritimes and U.S. Atlantic Ports.

d) **Commodity** - the classification of commodities is based on that prescribed by the Canadian Transport Commission and the Interstate Commerce Commission of the United States.

e) **Container Cargo** - the tonnes of containerized cargo assessed at the Containers rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.

f) **Destination** - means the country in which the cargo was unloaded and/or the transit terminated.

g) **General Cargo** - the tonnes of cargo assessed at the General rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.

h) **Government Aid Cargo** - the tonnes of cargo assessed at the Government Aid rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.

i) **Grain Cargo** - the tonnes of cargo assessed at the Food or Feed Grains rate of tolls as defined in the St. Lawrence Seaway Tariff of Tolls.

j) **Gross Registered Tonnage** - the gross registered tonnage of a vessel according to the country of registry.

k) **Inland** - means transits to and from inland ports connected by water routes made navigable by one or more lock structures.

l) **Mixed Cargo** - indicates that a vessel carried any combination of Grains, Government Aid, Containers, General or Bulk cargoes.

m) **Origin** - means the country in which the cargo was loaded and/or the transit originated.

n) **Overseas** - means transits to or from Foreign Ports beyond the Coast of Canada and the United States.

o) **Package Freight** - in the historical tables, designates cargo consisting of miscellaneous packages generally unidentifiable as to commodity and carried only on vessels licensed by the respective Authorities in Canada and the United States. This commodity classification is no longer applicable.

p) **Transit** - a partial or complete upbound or downbound passage of a vessel through one or more locks of a Seaway canal.

q) **Tug and Barge Combinations** - the assessment of tolls requires tugs and barges in common transit to be considered as one unit. In this report the number of transits shown under this category represents the number of combined passages plus the number of individual tugs transiting the Seaway.

It should be noted, in any analysis, that there is not necessarily a relationship between a specific «Commodity» classification and a «Tariff of Tolls» classification. Due to the method of packaging, handling, special refinements or other provisions, an otherwise identical commodity item, may be classified in any of the Bulk, Grains, Government Aid, Containers or General tariff of tolls categories.

TRAFFIC SUMMARY
1989

Table 1T

Traffic and Revenue	Montreal-Lake Ontario Section			Welland Canal Section		
TRAFFIC	Tonnes and Transits	% of total	Variance % 1988	Tonnes and Transits	% of Total	Variance % 1988
Cargo Tonnes by Toll Classification:						
Bulk	21 010 319	56.7	+ 3.0	24 387 306	61.1	+ 1.1
Grains	11 448 020	30.9	- 26.0	12 094 818	30.3	- 24.7
Government Aid	168 750	0.4	+ 93.0	151 603	0.4	+ 79.8
Containers	31 728	.1	- 18.3	16 644	0.0	- 29.1
General Cargo	4 411 553	11.9	- 3.4	3 259 079	8.2	+ 0.4
CARGO TONNES — TOTAL	37 070 370	100.0	- 8.6	39 909 450	100.0	- 8.3
Gross Registered Tonnage:						
Cargo Vessels	34 967 602	99.5	- 9.8	45 562 461	99.6	- 10.6
Non-Cargo Vessels	172 246	0.5	- 7.8	172 977	0.4	- 7.3
GROSS REGISTERED TONNAGE — TOTAL	35 139 848	100.0	- 9.8	45 735 438	100.0	- 10.6
Vessel Transits:						
Loaded Cargo Vessels	2 073	74.9	- 10.4	2 243	62.3	- 9.1
Ballast Cargo Vessels	463	16.7	- 18.5	1 042	29.0	- 13.3
Non-Cargo	232	8.4	- 10.8	313	8.7	+ 31.0
VESSEL TRANSITS — TOTAL	2 768	100.0	- 11.9	3 598	100.0	- 8.0
	Number			Number		
Additional Information:						
Passengers (Number)	4 152	-	- 4.0	8 679	-	+ 216.9
Pleasure Craft Lockages	13 669	-	- 8.7	8 680	-	- 0.6
Containers (T.E.U.)	2 703	-	- 14.4	1 452	-	- 18.7
REVENUE	Revenue			Revenue		
Traffic Revenue ($) by Toll Classification:	$			$		
Bulk	18 170 250	49.1	+ 8.1	10 410 091	33.3	+ 5.7
Grains	6 181 117	16.7	- 23.1	5 231 970	16.8	- 21.8
Government Aid	-	0.0	- 100.0	-	0.0	- 100.0
Containers	27 408	0.1	- 15.5	7 323	0.0	- 25.8
General Cargo	9 460 333	25.6	+ 1.3	2 313 798	7.4	+ 4.8
Gross Registered Tonnage	3 092 111	8.4	+ 1.2	4 923 146	15.8	- 1.7
Other	34 841	0.1	- 0.0	20 616	0.1	+ 19.3
Lockage Fees	-	-	-	8 311 312	26.6	- 6.4
TRAFFIC REVENUE — TOTAL	36 966 060	100.0	- 1.1	31 218 256	100.0	- 4.5

COMMODITY SUMMARY
1989

Table 2T

Summary of Major Commodities	Montreal-Lake Ontario Section			Welland Canal Section		
	Tonnes	% of Total	Variance % 1988	Tonnes	% of Total	Variance % 1988
Agricultural Products:						
Wheat	7 040 862	19.0	- 33.4	7 275 515	18.2	- 32.5
Corn	2 049 926	5.5	- 8.2	2 287 454	5.7	- 6.1
Rye	25 383	0.1	+ 55.6	25 383	0.1	+ 55.6
Oats	18 525	0.1	- 42.5	18 525	0.1	- 48.4
Barley	1 229 637	3.3	+ 10.2	1 232 637	3.1	+ 9.2
Soybeans	676 398	1.8	- 5.5	738 445	1.9	- 3.4
Flaxseed	236 815	0.6	- 8.3	236 815	0.6	- 8.3
Other Grains	333 446	0.9	- 37.9	411 176	1.0	- 37.7
Total Grains	11 610 992	31.3	- 25.0	12 225 950	30.7	- 24.0
Other Agricultural Products	58 008	0.2	- 2.6	57 518	0.1	- 1.8
AGRICULTURAL PRODUCTS - TOTAL	11 669 000	31.5	- 24.9	12 283 468	30.8	- 23.9
Mine Products:						
Iron Ore	11 185 264	30.2	+ 3.5	7 293 840	18.3	+ 3.0
Coal	776 999	2.1	+ 9.0	6 321 198	15.8	- 10.1
Coke	1 272 068	3.4	- 13.3	1 412 270	3.5	- 13.8
Stone, Ground, Crushed, or Rough	448 647	1.2	+ 3.7	1 187 261	3.0	+ 17.8
Salt	1 377 273	3.7	+ 34.0	2 176 005	5.5	+ 30.1
Other Mine Products	1 714 419	4.6	- 3.1	1 686 797	4.2	+ 1.6
MINE PRODUCTS - TOTAL	16 774 670	45.2	+ 3.4	20 077 371	50.3	- 0.1
Processed Products:						
Iron and Steel	4 186 116	11.3	- 3.0	3 092 769	7.7	+ 1.9
Fuel Oil	569 627	1.5	- 35.2	637 605	1.6	- 4.8
Other Petroleum Products	652 248	1.8	+ 55.9	454 106	1.1	+ 58.7
Chemicals	819 447	2.2	- 21.0	864 621	2.2	+ 7.9
Other Processed Products	2 279 901	6.2	+ 11.9	2 428 795	6.1	- 1.1
PROCESSED PRODUITS - TOTAL	8 507 339	23.0	- 2.1	7 477 896	18.7	+ 3.2
Miscellaneous Cargo:						
Forest Products	47 967	0.1	+ 58.7	35 159	0.1	+ 68.7
Animal Products	71 394	0.2	- 2.8	35 556	0.1	- 5.7
MISCELLANEOUS CARGO - TOTAL	119 361	0.3	+ 15.1	70 715	0.2	+ 20.8
GRAND - TOTAL	37 070 370	100.0	- 8.6	39 909 450	100.0	- 8.3

ST. LAWRENCE SEAWAY SYSTEM
TOLL REVENUE
(DOLLARS)

Historical Table 3T

Year	Canada			United States	Combined (1)
	Montreal-Lake Ontario Section	Welland Canal Section	Total	Montreal-Lake Ontario Section	Canada and U.S.
1959 (2)	$ 7 104 283	$ 1 221 436	$ 8 325 719	$ 2 942 594	$ 11 268 313
1960	7 177 432	1 318 357	8 495 789	2 931 627	11 427 416
1961	8 099 013	1 460 451	9 559 464	3 308 047	12 867 511
1962 (3)	8 928 090	640 193	9 568 283	3 646 685	13 214 968
1963	10 736 820	-	10 736 820	4 385 462	15 122 282
1964	13 550 525	-	13 550 525	5 534 722	19 085 247
1965	15 484 399	-	15 484 399	6 324 613	21 809 012
1966	17 277 397	-	17 277 397	7 056 965	24 334 362
1967 (4)	16 315 345	913 275	17 228 620	6 034 443	23 263 063
1968	18 168 871	1 749 165	19 918 036	6 719 994	26 638 030
1969	15 663 229	2 494 075	18 157 304	5 793 249	23 950 553
1970	18 591 443	3 533 405	22 124 848	6 867 784	28 992 632
1971	20 016 608	4 331 602	24 348 210	7 390 029	31 738 239
1972	19 940 726	4 242 605	24 183 331	7 360 363	31 543 694
1973	20 362 905	4 232 455	24 595 360	7 531 486	32 126 846
1974	15 563 467	3 176 688	18 740 155	5 756 350	24 496 505
1975	16 492 316	3 720 018	20 212 334	6 099 898	26 312 232
1976	18 843 654	3 789 408	22 633 062	6 969 570	29 602 632
1977	22 461 583	4 030 938	26 492 521	8 307 708	34 800 229
1978 (5)	23 579 826	18 291 307	41 871 133	9 631 197	51 502 330
1979	25 464 676	21 241 630	46 706 306	10 401 065	57 107 371
1980	23 002 818	23 609 888	46 612 706	9 395 517	56 008 223
1981	24 432 396	23 092 629	47 525 025	9 979 429	57 504 454
1982 (6)	23 687 472	24 529 232	48 216 704	9 645 209	57 861 913
1983	26 813 636	28 144 615	54 958 251	10 867 254	65 825 505
1984	29 630 507	29 830 499	59 461 006	11 968 392	71 429 398
1985 (7)	24 558 924	23 268 763	47 827 687	9 006 703	56 834 390
1986 (8)	24 902 133	27 132 291	52 034 424	9 152 250	61 186 674
1987	25 952 068	29 676 213	55 628 281	9 529 531	65 157 812
1988	27 309 723	32 697 632	60 007 355	10 049 269	70 056 624
1989 (9)	27 740 243	31 218 256	58 958 499	9 225 817	68 184 316
TOTAL	$ 597 852 528	$ 353 587 026	$ 951 439 554	$ 229 813 222	$ 1 181 252 776

(1) Tolls are collected in Canadian and U.S. dollars as shown below. The combined total does not distinguish between currencies. Revenue data is sourced from calendar year traffic reports and will vary from annual financial reports.

(2) Montreal-Lake Ontario revenue split, Canada 71%, U.S. 29%, 1959 through 1966.

(3) Welland Canal tolls suspended July 18, 1962.

(4) Increasing schedule of lockage charges imposed on the Welland Canal, April 1, 1967. Montreal-Lake Ontario revenue split, Canada 73%, U.S. 27%, 1967 through 1977.

(5) System-wide 3-year phased toll increase. Welland lockage fees replaced with commodity and GRT tolls. Montreal-Lake Ontario revenue split revised to: Canada 71%, U.S. 29%.

(6) System-wide 2-year phased toll increase. Welland lockage fees reinstituted with commodity and GRT tolls.

(7) Montreal-Lake Ontario revenue split revised to: Canada 73%, U.S. 27%.

(8) Increased schedule of lockage fees and toll charges imposed on the Welland Canal, April 1, 1986, 1987 and 1988.

(9) System-wide toll increase. Montreal-Lake Ontario revenue split revised to: Canada 75%, U.S. 25%.

ACTUAL OPENING AND CLOSING DATES OF NAVIGATION

Historical Table 4T

Year	Montreal-Lake Ontario Section			Welland Canal Section		
	Opened	Closed	Days of Navigation	Opened	Closed	Days of Navigation
1959	April 25	December 3	223	April 6	December 15	254
1960	April 18	December 3	230	April 1	December 16	260
1961	April 15	December 7	237	April 1	December 16	260
1962	April 15	December 7	237	April 1	December 16	260
1963	April 15	December 13	243	April 1	December 16	260
1964	April 8	December 7	244	April 1	December 18	262
1965	April 8	December 17	254	March 30	December 15	261
1966	April 1	December 15	259	April 1	December 16	260
1967	April 7	December 16	254	April 4	December 16	257
1968	April 8	December 14	251	April 1	December 16	260
1969	April 7	December 15	253	April 1	December 22	266
1970	April 4	December 18	259	April 1	December 22	266
1971	April 14	December 20	251	April 1	December 30	274
1972	April 12	December 23	256	March 29	January 8	286
1973	March 28	December 22	270	March 29	December 16	263
1974	March 26	December 18	268	March 28	January 4	283
1975	March 25	December 21	272	March 29	January 18	296
1976	April 3	December 24	266	March 25	December 31	282
1977	April 4	December 26	267	April 1	January 3	278
1978	April 3	December 22	264	April 4	December 31	272
1979	April 2	December 22	265	March 28	December 31	279
1980	March 24	December 19	271	March 28	December 29	277
1981	March 25	December 20	271	March 24	December 31	283
1982	April 5	December 21	261	March 25	December 27	278
1983	March 31	December 19	264	April 5	December 23	263
1984	April 2	January 2	276	April 5	December 27	267
1985	April 1	December 30	274	March 28	January 1	280
1986	April 3	December 27	269	April 1	December 30	274
1987	March 31	December 26	271	April 3	December 26	268
1988	March 29	December 23	270	April 1	December 28	272
1989	March 30	December 23	269	March 30	December 25	271
				March 31	December 23	268

ACTUAL DATES

OPENING — The date the system opened for commercial navigation.

CLOSING — The date the last commercial vessel cleared the system.

PART II

St. Lawrence Seaway

Combined Toll Traffic

for both

Montreal-Lake Ontario

and

Welland Canal Sections

TRAFFIC BY TYPE OF VESSEL
1989

Table 1C

ST. LAWRENCE SEAWAY

TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Cargo	959	574	1 533	23 379 448	15 376 496	10 080	-	23 512	2 855 553	18 265 641	37.8	30 441 955.81	44.6
Tug and Barge	24	57	81	219 168	88 347	-	-	-	920	89 267	0.2	228 821.36	0.3
Tanker	123	105	228	1 522 048	1 060 553	-	-	-	-	1 060 553	2.2	1 672 277.10	2.5
Non-Cargo	102	156	258	98 098	-	-	-	-	-	-	0.0	34 160.65	0.1
Total Up	1 208	892	2 100	25 218 762	16 525 396	10 080	-	23 512	2 856 473	19 415 461	40.1	32 377 214.92	47.5
DOWNBOUND:													
Cargo	1 374	152	1 526	23 279 099	13 432 240	12 186 661	168 750	8 216	1 555 102	27 350 969	56.6	33 232 823.53	48.7
Tug and Barge	60	23	83	230 730	209 816	-	-	-	-	209 816	0.4	309 275.51	0.5
Tanker	170	60	230	1 524 648	1 385 443	-	-	-	-	1 385 443	2.9	2 221 309.24	3.3
Non-Cargo	104	140	244	185 339	-	-	-	-	-	-	0.0	43 692.95	0.1
Total Down	1 708	375	2 083	25 219 816	15 027 499	12 186 661	168 750	8 216	1 555 102	28 946 228	59.9	35 807 101.23	52.5
TOTALS:													
Cargo	2 333	726	3 059	46 658 547	28 808 736	12 196 741	168 750	31 728	4 410 655	45 616 610	94.3	63 674 779.34	93.4
Tug and Barge	84	80	164	449 898	298 163	-	-	-	920	299 083	0.6	538 096.87	0.8
Tanker	293	165	458	3 046 696	2 445 996	-	-	-	-	2 445 996	5.1	3 893 586.34	5.7
Non-Cargo	206	296	502	283 437	-	-	-	-	-	-	0.0	77 853.60	0.1
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

TRAFFIC BY ORIGIN OF CARGO AND TYPE OF VESSEL
1989

Table 2C

ST. LAWRENCE SEAWAY

ORIGIN OF CARGO AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
CANADA:													
Cargo	598	444	1 042	16 432 906	13 514 153	-	-	-	2 836	13 516 989	27.9	18 229 581.64	26.7
Tug and Barge	23	55	78	211 377	88 030	-	-	-	920	88 950	0.2	220 531.74	0.3
Tanker	70	79	149	849 751	501 869	-	-	-	-	501 869	1.0	894 397.20	1.3
Non-Cargo	92	136	228	79 548	-	-	-	-	-	-	0.0	25 242.69	0.0
Total Canada	783	714	1 497	17 573 582	14 104 052	-	-	-	3 756	14 107 808	29.2	19 369 753.27	28.4
U.S.A.:													
Cargo	14	13	27	315 249	153 645	-	-	-	123	153 768	0.3	159 740.14	0.2
Tug and Barge	1	2	3	7 791	317	-	-	-	-	317	0.0	8 289.62	0.0
Tanker	3	24	27	137 499	56 189	-	-	-	-	56 189	0.1	100 599.57	0.1
Non-Cargo	10	19	29	17 205	-	-	-	-	-	-	0.0	8 648.96	0.0
Total U.S.A.	28	58	86	477 744	210 151	-	-	-	123	210 274	0.4	277 278.29	0.4
FOREIGN:													
Cargo	347	117	464	6 631 293	1 708 698	10 080	-	23 512	2 852 594	4 594 884	9.5	12 052 634.03	17.7
Tug and Barge	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Tanker	50	2	52	534 798	502 495	-	-	-	-	502 495	1.0	677 280.33	1.0
Non-Cargo	-	1	1	1 345	-	-	-	-	-	-	0.0	269.00	0.0
Total Foreign	397	120	517	7 167 436	2 211 193	10 080	-	23 512	2 852 594	5 097 379	10.5	12 730 183.36	18.7
Total Up	1 208	892	2 100	25 218 762	16 525 396	10 080	-	23 512	2 856 473	19 415 461	40.1	32 377 214.92	47.5
DOWNBOUND:													
CANADA:													
Cargo	455	93	548	8 313 291	2 773 181	6 151 554	30 946	4 993	776 351	9 737 025	20.1	12 086 030.56	17.7
Tug and Barge	26	7	33	84 053	93 878	-	-	-	-	93 878	0.2	117 673.35	0.2
Tanker	151	37	188	1 215 451	1 329 512	-	-	-	-	1 329 512	2.7	1 857 896.94	2.7
Non-Cargo	94	113	207	137 709	-	-	-	-	-	-	0.0	30 445.57	0.0
Total Canada	726	250	976	9 750 504	4 196 571	6 151 554	30 946	4 993	776 351	11 160 415	23.1	14 092 046.42	20.7
U.S.A.:													
Cargo	919	59	978	14 965 808	10 659 059	6 035 107	137 804	3 223	778 751	17 613 944	36.4	21 146 792.97	31.0
Tug and Barge	34	16	50	146 677	115 938	-	-	-	-	115 938	0.2	191 602.16	0.3
Tanker	19	23	42	309 197	55 931	-	-	-	-	55 931	0.1	363 412.30	0.5
Non-Cargo	10	27	37	47 630	-	-	-	-	-	-	0.0	13 247.38	0.0
Total U.S.A.	982	125	1 107	15 469 312	10 830 928	6 035 107	137 804	3 223	778 751	17 785 813	36.8	21 715 054.81	31.8
Total Down	1 708	375	2 083	25 219 816	15 027 499	12 186 661	168 750	8 216	1 555 102	28 946 228	59.9	35 807 101.23	52.5
TOTALS:													
CANADA:	1 509	964	2 473	27 324 086	18 300 623	6 151 554	30 946	4 993	780 107	25 268 223	52.2	33 461 799.69	49.1
U.S.A.:	1 010	183	1 193	15 947 056	11 041 079	6 035 107	137 804	3 223	778 874	17 996 087	37.2	21 992 333.10	32.3
FOREIGN:	397	120	517	7 167 436	2 211 193	10 080	-	23 512	2 852 594	5 097 379	10.5	12 730 183.36	18.7
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

TRAFFIC BY CLASS AND TYPE OF VESSEL
1989

Table 3C

ST. LAWRENCE SEAWAY

CLASS AND TYPE OF VESSEL	VESSEL TRANSIT			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
OCEAN:													
Cargo	357	155	512	7 209 225	1 353 786	10 080	-	23 512	2 850 090	4 737 468	9.8	12 277 166.56	18.0
Tanker	55	5	60	614 667	567 300	-	-	-	-	567 300	1.2	763 600.05	1.1
Total Ocean	412	160	572	7 823 892	2 421 086	10 080	-	23 512	2 850 090	5 304 768	11.0	13 040 766.61	19.1
LAKER:													
Cargo	602	419	1 021	16 170 223	13 522 710	-	-	-	5 463	13 528 173	28.0	18 164 789.25	26.6
Tug and Barge	24	56	80	215 911	88 347	-	-	-	920	89 267	0.2	226 089.96	0.3
Tanker	68	100	168	907 381	493 253	-	-	-	-	493 253	1.0	908 677.05	1.3
Total Laker	694	575	1 269	17 293 515	14 104 310	-	-	-	6 383	14 110 693	29.2	19 299 556.26	28.3
ALL OTHER:	102	157	259	101 355	-	-	-	-	-	-	0.0	36 892.05	0.1
Total Upbound	1 208	892	2 100	25 218 762	16 525 396	10 080	-	23 512	2 856 473	19 415 461	40.1	32 377 214.92	47.5
DOWNBOUND:													
OCEAN:													
Cargo	450	48	498	7 019 241	1 846 091	2 940 071	168 750	8 216	1 552 159	6 515 287	13.5	11 796 029.34	17.3
Tanker	41	18	59	604 460	430 580	-	-	-	-	430 580	0.9	732 656.55	1.1
Total Ocean	491	66	557	7 623 701	2 276 671	2 940 071	168 750	8 216	1 552 159	6 945 867	14.4	12 528 685.89	18.4
LAKER:													
Cargo	924	104	1 028	16 259 858	11 586 149	9 246 590	-	-	2 943	20 835 682	43.1	21 436 794.19	31.4
Tug and Barge	59	23	82	227 473	205 219	-	-	-	-	205 219	0.4	299 670.10	0.4
Tanker	129	42	171	920 188	954 863	-	-	-	-	954 863	2.0	1 488 652.69	2.2
Total Laker	1 112	169	1 281	17 407 519	12 746 231	9 246 590	-	-	2 943	21 995 764	45.5	23 225 116.98	34.1
ALL OTHER:	105	140	245	188 596	4 597	-	-	-	-	4 597	0.0	53 298.36	0.1
Total Downbound	1 708	375	2 083	25 219 816	15 027 499	12 186 661	168 750	8 216	1 555 102	28 946 228	59.9	35 807 101.23	52.5
TOTALS:													
OCEAN:													
Cargo	807	203	1 010	14 228 466	3 699 877	2 950 151	168 750	31 728	4 402 249	11 252 755	23.3	24 073 195.90	35.3
Tanker	96	23	119	1 219 127	997 880	-	-	-	-	997 880	2.1	1 496 256.60	2.2
Total Ocean	903	226	1 129	15 447 593	4 697 757	2 950 151	168 750	31 728	4 402 249	12 250 635	25.3	25 569 452.50	37.5
LAKER:													
Cargo	1 526	523	2 049	32 430 081	25 108 859	9 246 590	-	-	8 406	34 363 855	71.1	39 601 583.44	58.1
Tug and Barge	83	79	162	443 384	293 566	-	-	-	920	294 486	0.6	525 760.06	0.8
Tanker	197	142	339	1 827 569	1 448 116	-	-	-	-	1 448 116	3.0	2 397 329.74	3.5
Total Laker	1 806	744	2 550	34 701 034	26 850 541	9 246 590	-	-	9 326	36 106 457	74.7	42 524 673.24	62.4
ALL OTHER:	207	297	504	289 951	4 597	-	-	-	-	4 597	0.0	90 190.41	0.1
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

TRAFFIC BY TYPE OF TRANSIT AND TYPE OF VESSEL
1989

ST. LAWRENCE SEAWAY

Table 4C

TYPE OF TRANSIT AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
OVERSEAS:													
Cargo	347	117	464	6 631 293	1 718 015	10 080	-	23 512	2 852 728	4 604 335	9.5	12 052 634.03	17.7
Tug and Barge	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Tanker	50	2	52	534 798	502 495	-	-	-	-	502 495	1.0	677 280.33	1.0
Total Overseas	397	119	516	7 166 091	2 220 510	10 080	-	23 512	2 852 728	5 106 830	10.6	12 729 914.36	18.7
INLAND:													
Cargo	578	449	1 027	16 095 791	13 033 550	-	-	-	2 825	13 036 375	27.0	17 863 239.36	26.2
Tug and Barge	23	55	78	214 295	88 030	-	-	-	920	88 950	0.2	222 931.26	0.3
Tanker	69	96	165	902 296	505 066	-	-	-	-	505 066	1.0	913 579.87	1.3
Total Inland	670	600	1 270	17 212 382	13 626 646	-	-	-	3 745	13 630 391	28.2	18 999 750.49	27.9
COASTAL:													
Cargo	34	8	42	652 364	624 931	-	-	-	-	624 931	1.3	526 082.42	0.8
Tug and Barge	1	2	3	4 873	317	-	-	-	-	317	0.0	5 890.10	0.0
Tanker	4	7	11	84 954	52 992	-	-	-	-	52 992	0.1	81 416.90	0.1
Total Coastal	39	17	56	742 191	678 240	-	-	-	-	678 240	1.4	613 389.42	0.9
NON-CARGO:													
Tug	-	82	82	11 096	-	-	-	-	-	-	0.0	6 162.00	0.0
All Other	102	74	176	87 002	-	-	-	-	-	-	0.0	27 998.65	0.0
Total Non-Cargo	102	156	258	98 098	-	-	-	-	-	-	0.0	34 160.65	0.1
Total Upbound	1 208	892	2 100	25 218 762	16 525 396	10 080	-	23 512	2 856 473	19 415 461	40.1	32 377 214.92	47.5
DOWNBOUND:													
OVERSEAS:													
Cargo	445	20	465	6 657 778	1 828 432	2 964 455	151 115	6 626	1 537 077	6 487 705	13.4	11 660 220.44	17.1
Tug and Barge	-	1	1	584	-	-	-	-	-	-	0.0	91.00	0.0
Tanker	34	11	45	462 207	356 349	-	-	-	-	356 349	0.7	610 980.71	0.9
Total Overseas	479	32	511	7 120 569	2 184 781	2 964 455	151 115	6 626	1 537 077	6 844 054	14.2	12 271 292.15	18.0
INLAND:													
Cargo	907	119	1 026	16 145 059	11 541 987	8 941 925	-	1 590	10 587	20 496 089	42.4	21 067 420.00	30.9
Tug and Barge	58	22	80	226 075	205 174	-	-	-	-	205 174	0.4	296 881.28	0.4
Tanker	121	46	167	927 876	900 258	-	-	-	-	900 258	1.9	1 371 710.90	2.0
Total Inland	1 086	187	1 273	17 299 010	12 647 419	8 941 925	-	1 590	10 587	21 601 521	44.7	22 736 012.18	33.3
COASTAL:													
Cargo	22	13	35	476 262	61 821	280 281	17 635	-	7 438	367 175	0.8	505 183.09	0.7
Tug and Barge	2	-	2	4 071	4 642	-	-	-	-	4 642	0.0	12 303.23	0.0
Tanker	15	3	18	134 565	128 836	-	-	-	-	128 836	0.3	238 617.63	0.3
Total Coastal	39	16	55	614 898	195 299	280 281	17 635	-	7 438	500 653	1.0	756 103.95	1.1
NON-CARGO:													
Tug	-	62	62	8 536	-	-	-	-	-	-	0.0	3 588.00	0.0
All Other	104	78	182	176 803	-	-	-	-	-	-	0.0	40 104.95	0.1
Total Non-Cargo	104	140	244	185 339	-	-	-	-	-	-	0.0	43 692.95	0.1
Total Downbound	1 708	375	2 083	25 219 816	15 027 499	12 186 661	168 750	8 216	1 555 102	28 946 228	59.9	35 807 101.23	52.5
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

TRAFFIC BY ORIGIN AND DESTINATION
1989

Table 5C

ST. LAWRENCE SEAWAY

ORIGIN AND DESTINATION (1)	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Canada - Canada	340	335	675	5 570 469	6 973 731	-	-	-	-	6 973 731	14.4	6 030 146.48	8.8
Canada - U.S.A.	443	379	822	12 003 113	7 130 321	-	-	-	3 756	7 134 077	14.8	13 339 606.79	19.6
Foreign - Canada	112	35	147	1 877 620	1 201 925	20	-	10 091	622 506	1 834 542	3.8	2 121 577.78	3.1
Total Canada	895	749	1 644	19 451 202	15 305 977	20	-	10 091	626 262	15 942 350	33.0	21 491 331.05	31.5
U.S.A. - Canada	11	33	44	309 837	164 378	-	-	-	123	164 501	0.3	174 175.76	0.3
U.S.A. - U.S.A.	17	25	42	167 907	45 773	-	-	-	-	45 773	0.1	103 102.53	0.2
Foreign - U.S.A.	285	85	370	5 289 816	1 009 268	10 060	-	13 421	2 230 088	3 262 837	6.7	10 608 605.58	15.6
Total U.S.A.	313	143	456	5 767 560	1 219 419	10 060	-	13 421	2 230 211	3 473 111	7.2	10 885 883.87	16.0
Total Upbound	1 208	892	2 100	25 218 762	16 525 396	10 080	-	23 512	2 856 473	19 415 461	40.1	32 377 214.92	47.5
DOWNBOUND:													
Canada - Canada	544	219	763	7 150 860	2 904 280	5 519 456	-	-	-	8 423 736	17.4	10 292 428.73	15.1
Canada - U.S.A.	36	5	41	279 150	284 652	-	-	-	-	284 652	0.6	343 392.83	0.5
Canada - Foreign	146	26	172	2 320 494	1 007 639	632 098	30 946	4 993	776 351	2 452 027	5.1	3 456 224.86	5.1
Total Canada	726	250	976	9 750 504	4 196 571	6 151 554	30 946	4 993	776 351	11 160 415	23.1	14 092 046.42	20.7
U.S.A. - Canada	624	97	721	10 449 045	9 549 510	3 720 319	-	-	10 301	13 280 130	27.5	12 727 473.08	18.7
U.S.A. - U.S.A.	25	22	47	220 192	91 972	-	-	-	-	91 972	0.2	172 514.44	0.3
U.S.A. - Foreign	333	6	339	4 800 075	1 189 446	2 314 788	137 804	3 223	768 450	4 413 711	9.1	8 815 067.29	12.9
Total U.S.A.	982	125	1 107	15 469 312	10 830 928	6 035 107	137 804	3 223	778 751	17 785 813	36.8	21 715 054.81	31.8
Total Downbound	1 708	375	2 083	25 219 816	15 027 499	12 186 661	168 750	8 216	1 555 102	28 946 228	59.9	35 807 101.23	52.5
TOTALS:													
Canada - Canada	884	554	1 438	12 721 329	9 878 011	5 519 456	-	-	-	15 397 467	31.8	16 322 575.21	23.9
Canada - U.S.A.	479	384	863	12 282 263	7 414 973	-	-	-	3 756	7 418 729	15.3	13 682 999.62	20.1
Canada - Foreign	146	26	172	2 320 494	1 007 639	632 098	30 946	4 993	776 351	2 452 027	5.1	3 456 224.86	5.1
Foreign - Canada	112	35	147	1 877 620	1 201 925	20	-	10 091	622 506	1 834 542	3.8	2 121 577.78	3.1
Total Canada	1 621	999	2 620	29 201 706	19 502 548	6 151 574	30 946	15 084	1 402 613	27 102 765	56.0	35 583 377.47	52.2
U.S.A. - Canada	635	130	765	10 758 882	9 713 888	3 720 319	-	-	10 424	13 444 631	27.8	12 901 648.84	18.9
U.S.A. - U.S.A.	42	47	89	388 099	137 745	-	-	-	-	137 745	0.3	275 616.97	0.4
U.S.A. - Foreign	333	6	339	4 800 075	1 189 446	2 314 788	137 804	3 223	768 450	4 413 711	9.1	8 815 067.29	12.9
Foreign - U.S.A.	285	85	370	5 289 816	1 009 268	10 060	-	13 421	2 230 088	3 262 837	6.7	10 608 605.58	15.6
Total U.S.A.	1 295	268	1 563	21 236 872	12 050 347	6 045 167	137 804	16 644	3 008 962	21 258 924	44.0	32 600 938.68	47.8
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

(1) Origin and destination means country in which transit originated and terminated.

TRAFFIC BY TYPE OF CARGO
1989

Table 6C

ST. LAWRENCE SEAWAY

TYPE OF CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Bulk	869	-	869	12 038 295	16 347 037	-	-	-	-	16 347 037	33.8	20 525 605.41	30.1
Grains	1	-	1	13 867	-	10 060	-	-	-	10 060	0.0	15 472.20	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	1	-	1	14 150	-	-	-	1 601	-	1 601	0.0	2 698.40	0.0
General	170	-	170	2 427 208	-	-	-	-	2 123 204	2 123 204	4.4	6 557 787.25	9.6
Mixed	65	-	65	989 371	178 359	20	-	21 911	733 269	933 559	1.9	2 584 389.25	3.8
Passengers	102	-	102	29 594	-	-	-	-	-	-	0.0	17 657.83	0.0
In Ballast - Overseas	-	119	119	1 601 941	-	-	-	-	-	-	0.0	499 714.95	0.7
- Inland	-	600	600	7 885 959	-	-	-	-	-	-	0.0	2 102 795.73	3.1
- Coastal	-	17	17	149 873	-	-	-	-	-	-	0.0	54 591.08	0.1
- Non-Cargo	-	156	156	68 504	-	-	-	-	-	-	0.0	16 502.82	0.0
Total Upbound	1 208	892	2 100	25 218 762	16 525 396	10 080	-	23 512	2 856 473	19 415 461	40.1	32 377 214.92	47.5
DOWNBOUND:													
Bulk	864	-	864	11 439 235	14 754 244	-	-	-	-	14 754 244	30.5	15 460 076.02	22.7
Grains	478	-	478	7 459 115	-	10 225 891	-	-	-	10 225 891	21.1	12 223 672.29	17.9
Government Aid	7	-	7	76 248	-	-	77 749	-	-	77 749	0.2	35 129.62	0.1
Containers	1	-	1	4 997	-	-	-	1 803	-	1 803	0.0	6 237.39	0.0
General	108	-	108	1 494 387	-	-	-	-	1 374 883	1 374 883	2.8	4 130 564.20	6.1
Mixed	146	-	146	2 157 509	273 255	1 960 770	91 001	6 413	180 219	2 511 658	5.2	3 444 800.17	5.1
Passengers	104	-	104	29 852	-	-	-	-	-	-	0.0	19 010.02	0.0
In Ballast - Overseas	-	32	32	344 118	-	-	-	-	-	-	0.0	58 549.35	0.1
- Inland	-	187	187	1 852 984	-	-	-	-	-	-	0.0	361 598.96	0.5
- Coastal	-	16	16	205 884	-	-	-	-	-	-	0.0	42 780.28	0.1
- Non-Cargo	-	140	140	155 487	-	-	-	-	-	-	0.0	24 682.93	0.0
Total Downbound	1 708	375	2 083	25 219 816	15 027 499	12 186 661	168 750	8 216	1 555 102	28 946 228	59.9	35 807 101.23	52.5
TOTALS:													
Bulk	1 733	-	1 733	23 477 530	31 101 281	-	-	-	-	31 101 281	64.3	35 985 681.43	52.8
Grains	479	-	479	7 472 982	-	10 235 951	-	-	-	10 235 951	21.2	12 239 144.49	18.0
Government Aid	7	-	7	76 248	-	-	77 749	-	-	77 749	0.2	35 129.62	0.1
Containers	2	-	2	19 147	-	-	-	3 404	-	3 404	0.0	8 935.79	0.0
General	278	-	278	3 921 595	-	-	-	-	3 498 087	3 498 087	7.2	10 688 351.45	15.7
Mixed	211	-	211	3 146 880	451 614	1 960 790	91 001	28 324	913 488	3 445 217	7.1	6 029 189.42	8.8
Passengers	206	-	206	59 446	-	-	-	-	-	-	0.0	36 667.85	0.1
In Ballast - Overseas	-	151	151	1 946 059	-	-	-	-	-	-	0.0	558 264.30	0.8
- Inland	-	787	787	9 738 943	-	-	-	-	-	-	0.0	2 464 394.69	3.6
- Coastal	-	33	33	355 757	-	-	-	-	-	-	0.0	97 371.36	0.1
- Non-Cargo	-	296	296	223 991	-	-	-	-	-	-	0.0	41 185.75	0.1
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

TRAFFIC BY TYPE OF TRANSIT AND CARGO
1989

UPBOUND

Table 7C Part A

ST. LAWRENCE SEAWAY

TYPE OF TRANSIT AND CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
OVERSEAS:													
Bulk	164	-	164	2 126 233	2 043 790	-	-	-	-	2 043 790	4.2	3 091 440.46	4.5
Grains	1	-	1	13 867	-	10 060	-	-	-	10 060	0.0	15 472.20	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	1	-	1	14 150	-	-	-	1 601	-	1 601	0.0	2 698.40	0.0
General	167	-	167	2 424 065	-	-	-	-	2 122 010	2 122 010	4.4	6 548 500.87	9.6
Mixed	64	-	64	985 835	176 720	20	-	21 911	730 718	929 369	1.9	2 572 087.48	3.8
In Ballast	-	119	119	1 601 941	-	-	-	-	-	-	0.0	499 714.95	0.7
Total Overseas	397	119	516	7 166 091	2 220 510	10 080	-	23 512	2 852 728	5 106 830	10.6	12 729 914.36	18.7
INLAND:													
Bulk	666	-	666	9 319 744	13 625 007	-	-	-	-	13 625 007	28.2	16 875 366.61	24.7
Grains	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	3	-	3	3 143	-	-	-	-	1 194	1 194	0.0	9 286.38	0.0
Mixed	1	-	1	3 536	1 639	-	-	-	2 551	4 190	0.0	12 301.77	0.0
In Ballast	-	600	600	7 885 959	-	-	-	-	-	-	0.0	2 102 795.73	3.1
Total Inland	670	600	1 270	17 212 382	13 626 646	-	-	-	3 745	13 630 391	28.2	18 999 750.49	27.9
COASTAL:													
Bulk	39	-	39	592 318	678 240	-	-	-	-	678 240	1.4	558 798.34	0.8
Grains	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Mixed	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
In Ballast	-	17	17	149 873	-	-	-	-	-	-	0.0	54 591.08	0.1
Total Coastal	39	17	56	742 191	678 240	-	-	-	-	678 240	1.4	613 389.42	0.9
NON-CARGO:	102	156	258	98 098	-	-	-	-	-	-	0.0	34 160.65	0.1
Total Upbound	1 208	892	2 100	25 218 762	16 525 396	10 080	-	23 512	2 856 473	19 415 461	40.1	32 377 214.92	47.5

TRAFFIC BY TYPE OF TRANSIT AND CARGO
1989

DOWNBOUND

Table 7C Part B

ST. LAWRENCE SEAWAY

TYPE OF TRANSIT AND CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
OVERSEAS:													
Bulk	157	-	157	1 849 219	1 945 787	-	-	-	-	1 945 787	4.0	3 275 437.92	4.8
Grains	124	-	124	2 117 478	-	2 226 135	-	-	-	2 226 135	4.6	2 938 892.74	4.3
Government Aid	6	-	6	61 466	-	-	60 114	-	-	60 114	0.1	29 333.21	0.0
Containers	1	-	1	4 997	-	-	-	1 803	-	1 803	0.0	6 237.39	0.0
General	103	-	103	1 470 721	-	-	-	-	1 358 895	1 358 895	2.8	4 077 225.08	6.0
Mixed	88	-	88	1 272 570	238 994	738 320	91 001	4 823	178 182	1 251 320	2.6	1 885 616.46	2.8
In Ballast	-	32	32	344 118	-	-	-	-	-	-	0.0	58 549.35	0.1
Total Overseas	479	32	511	7 120 569	2 184 781	2 964 455	151 115	6 626	1 537 077	6 844 054	14.2	12 271 292.15	18.0
INLAND:													
Bulk	686	-	686	9 422 634	12 613 158	-	-	-	-	12 613 158	26.1	11 860 668.02	17.4
Grains	346	-	346	5 221 918	-	7 845 053	-	-	-	7 845 053	16.2	9 086 506.78	13.3
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	4	-	4	13 155	-	-	-	-	8 550	8 550	0.0	33 165.21	0.0
Mixed	50	-	50	788 319	34 261	1 096 872	-	1 590	2 037	1 134 760	2.3	1 394 073.21	2.0
In Ballast	-	187	187	1 852 984	-	-	-	-	-	-	0.0	361 598.96	0.5
Total Inland	1 086	187	1 273	17 299 010	12 647 419	8 941 925	-	1 590	10 587	21 601 521	44.7	22 736 012.18	33.3
COASTAL:													
Bulk	21	-	21	167 382	195 299	-	-	-	-	195 299	0.4	323 970.08	0.5
Grains	8	-	8	119 719	-	154 703	-	-	-	154 703	0.3	198 272.77	0.3
Government Aid	1	-	1	14 782	-	-	17 635	-	-	17 635	0.0	5 796.41	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	1	-	1	10 511	-	-	-	-	7 438	7 438	0.0	20 173.91	0.0
Mixed	8	-	8	96 620	-	125 578	-	-	-	125 578	0.3	165 110.50	0.2
In Ballast	-	16	16	205 884	-	-	-	-	-	-	0.0	42 780.28	0.1
Total Coastal	39	16	55	614 898	195 299	280 281	17 635	-	7 438	500 653	1.0	756 103.95	1.1
NON-CARGO:	104	140	244	185 339	-	-	-	-	-	-	0.0	43 692.95	0.1
Total Downbound	1 708	375	2 083	25 219 816	15 027 499	12 186 661	168 750	8 216	1 555 102	28 946 228	59.9	35 807 101.23	52.5
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

TRAFFIC BY COUNTRY OF REGISTRY
1989

Table 8C

ST. LAWRENCE SEAWAY

COUNTRY OF REGISTRY	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
Canada	1 889	900	2 789	33 745 994	26 064 580	9 135 415	-	-	23 416	35 223 411	72.8	41 888 399.30	61.4
United States	120	136	256	1 261 657	669 853	139 996	58 267	89	1 845	870 050	1.8	711 287.22	1.0
England	19	1	20	412 988	61 876	215 298	-	-	128 357	405 531	0.8	784 303.69	1.2
Baltic Countries	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Belgium	10	-	10	216 610	151 240	49 962	-	966	48 386	250 554	0.5	443 023.27	0.6
Denmark	6	-	6	103 020	44 575	19 237	-	-	34 266	98 078	0.2	170 918.67	0.3
Norway	27	8	35	500 050	155 969	16 205	-	210	190 573	362 957	0.8	916 969.71	1.3
Sweden	8	-	8	44 868	26 079	4 133	-	-	30 428	60 640	0.1	157 453.14	0.2
Finland	5	1	6	77 508	17 421	-	-	-	12 399	29 820	0.1	79 202.51	0.1
France	7	3	10	138 786	-	72 773	-	-	33 486	106 259	0.2	216 804.72	0.3
West Germany	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Greece	55	14	69	997 778	289 571	161 856	6 426	2 806	324 997	785 656	1.6	1 672 973.56	2.5
Italy	1	1	2	12 704	-	-	-	-	3 135	3 135	0.0	16 426.90	0.0
Poland	56	16	72	1 176 952	136 041	554 452	-	-	236 836	927 329	1.9	1 829 359.23	2.7
Russia	17	7	24	246 210	-	-	-	209	65 272	65 481	0.1	283 919.18	0.4
Spain	6	6	12	118 680	53 529	-	-	-	-	53 529	0.1	58 322.15	0.1
Yugoslavia	66	11	77	1 421 146	423 944	452 109	-	-	285 550	1 161 603	2.4	2 172 492.59	3.2
Iceland	9	1	10	45 904	53 737	-	-	-	-	53 737	0.1	105 197.96	0.2
Cuba	8	5	13	172 194	74 614	15 506	-	-	-	90 120	0.2	101 196.82	0.1
Panama	125	31	156	1 958 967	752 043	251 346	8 337	41	589 317	1 601 084	3.3	3 383 118.54	5.0
West Indies	4	2	6	22 934	-	-	-	1 803	3 005	4 808	0.0	29 988.71	0.0
British W. Indies and Bermuda	70	26	96	954 282	390 287	89 506	26 395	-	248 336	754 524	1.6	1 497 604.22	2.2
Central America	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Brazil	2	-	2	28 300	-	-	-	1 601	4 822	6 423	0.0	14 339.22	0.0
Venezuela	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Peru	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
China	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
India	32	5	37	600 902	80 775	138 624	-	-	273 587	492 986	1.0	1 199 400.97	1.8
Japan	14	2	16	281 744	102 870	45 927	-	375	93 819	242 991	0.5	534 366.82	0.8
Middle East	104	31	135	2 024 769	333 315	514 847	32 491	9 342	756 881	1 646 876	3.4	3 559 435.30	5.2
Israel	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Turkey	1	1	2	17 140	-	-	-	-	2 046	2 046	0.0	5 941.53	0.0
Other Asia	96	21	117	1 309 439	491 892	74 677	6 746	780	458 151	1 032 246	2.1	2 339 329.68	3.4
Liberia	131	20	151	2 086 618	1 103 678	129 328	18 881	12 099	504 708	1 768 694	3.7	3 466 011.14	5.1
Algeria	4	2	6	23 994	-	-	-	1 407	7 484	8 891	0.0	42 567.11	0.1
French Africa	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Other	24	16	40	436 440	75 006	115 544	11 207	-	50 473	252 230	0.5	503 962.29	0.7
GRAND TOTAL	2 916	1 267	4 183	50 438 578	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0	68 184 316.15	100.0

TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
1989

Table 9C — ST. LAWRENCE SEAWAY

COMMODITY	CARGO TONNES						% OF
	Bulk	Grains	Govt. Aid	Containers	General	Total	TOTAL
Wheat	-	7 331 606	39 703	-	-	7 371 309	15.2
Corn	-	2 288 517	11 924	-	-	2 300 441	4.8
Rye	-	25 383	-	-	-	25 383	0.1
Oats	-	18 525	-	-	-	18 525	0.0
Barley	-	1 232 637	-	-	-	1 232 637	2.5
Flour, Wheat	-	-	2	-	-	2	0.0
Flour, Edible, Other	18	-	18 942	45	45	19 050	0.0
Soybeans	-	738 445	-	-	-	738 445	1.5
Soybean Oil Cake and Meal	-	-	-	-	-	-	0.0
Beans and Peas	-	108 872	8 723	-	-	117 595	0.2
Malt	-	-	-	-	-	-	0.0
Flaxseed	-	236 815	-	-	-	236 815	0.5
Sunflower Seeds	-	10 060	-	-	-	10 060	0.0
Other Agricultural Products	98 664	205 881	42 547	306	61	347 459	0.7
Total Agricultural Products	98 682	12 196 741	121 841	351	106	12 417 721	25.7
Packing House Products, Edible	1 000	-	-	12	-	1 012	0.0
Hides, Skins and Pelts	-	-	-	2	3	5	0.0
Other Animal Products	70 177	-	-	188	12	70 377	0.1
Total Animal Products	71 177	-	-	202	15	71 394	0.1
Bituminous Coal	6 327 348	-	-	-	-	6 327 348	13.1
Coke	1 471 229	-	-	-	-	1 471 229	3.0
Iron Ore	12 314 364	-	-	-	-	12 314 364	25.5
Aluminum Ore and Concentrates	236 629	-	-	-	-	236 629	0.5
Clay and Bentonite	215 214	-	-	-	-	215 214	0.4
Gravel and Sand	241 749	-	-	-	-	241 749	0.5
Stone, Ground or Crushed	1 187 148	-	-	-	-	1 187 148	2.5
Stone, Rough	-	-	-	105	425	530	0.0
Petroleum, Crude	-	-	-	-	-	-	0.0
Salt	2 176 005	-	-	-	-	2 176 005	4.5
Phosphate Rock	6 120	-	-	-	-	6 120	0.0
Sulphur	-	-	-	-	-	-	0.0
Other Mine Products	1 702 637	-	-	20	147	1 702 804	3.5
Total Mine Products	25 878 443	-	-	125	572	25 879 140	53.5
Pulpwood	-	-	-	-	-	-	0.0
Other Forest Products	47 774	-	-	77	116	47 967	0.1
Total Forest Products	47 774	-	-	77	116	47 967	0.1
Gasoline	564 922	-	-	-	-	564 922	1.2
Fuel Oil	769 673	-	-	-	-	769 673	1.6
Lubricating Oils and Grease	42 923	-	-	-	-	42 923	0.1
Petroleum Products, Other	163 774	-	-	-	148	163 922	0.3
Rubber, Crude, Natural, Synthetic	-	-	-	15	-	15	0.0
Chemicals	1 046 777	-	-	1 320	2 186	1 050 283	2.2
Sodium Products	85 814	-	-	473	-	86 287	0.2
Tar, Pitch and Creosote	32 014	-	-	-	21	32 035	0.1
Pig Iron	70 938	-	-	-	-	70 938	0.1
Iron and Steel, Bars, Rods, Slabs	3 742	-	-	55	825 876	829 673	1.7
Iron and Steel, Nails and Wire	-	-	-	231	6 237	6 468	0.0
Iron and Steel, Manufactured	4 368	-	-	519	3 351 559	3 356 446	6.9
Machinery and Machines	548	-	-	7 140	42 066	49 754	0.1
Cement	387 756	-	-	-	552	388 308	0.8
Woodpulp	118 347	-	-	-	-	118 347	0.2
Newsprint	-	-	-	590	546	1 136	0.0
Syrup and Molasses	1 927	-	-	-	-	1 927	0.0
Sugar	260 514	-	-	-	-	260 514	0.5
Food Products	-	-	340	1 668	14	2 022	0.0
Scrap Iron and Steel	437 546	-	-	-	-	437 546	0.9
Other Manufactures and Misc. (1)	1 465 236	-	46 569	18 962	181 561	1 712 328	3.5
Total Manufactures and Misc.	5 456 819	-	46 909	30 973	4 410 706	9 945 467	20.6
GRAND TOTAL	31 552 895	12 196 741	168 750	31 728	4 411 575	48 361 689	100.0

(1) Includes Unclassified Cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
1989

Table 10C Part A — ST. LAWRENCE SEAWAY

NO.	COMMODITY From: / To:	UPBOUND TONNES						TOTAL UPBOUND	% OF TOTAL UPBOUND
		Canada		United States		Foreign			
		Canada	United States	Canada	United States	Canada	United States		
1	Wheat	-	-	-	-	-	-	-	0.0
2	Corn	-	-	-	-	-	-	-	0.0
3	Rye	-	-	-	-	-	-	-	0.0
4	Oats	-	-	-	-	-	-	-	0.0
5	Barley	-	-	-	-	-	-	-	0.0
6	Flour, Wheat	-	-	-	-	-	-	-	0.0
7	Flour, Edible, Other	-	-	-	-	-	-	-	0.0
8	Soybeans	-	-	-	-	-	-	-	0.0
9	Soybean Oil Cake and Meal	-	-	-	-	-	-	-	0.0
10	Beans and Peas	-	-	-	-	20	-	20	0.0
11	Malt	-	-	-	-	-	-	-	0.0
12	Flaxseed	-	-	-	-	-	-	-	0.0
13	Sunflower Seeds	-	-	-	-	-	10 060	10 060	0.1
14	Other Agricultural Products	6 049	-	-	-	383	65	6 497	0.0
15	Total Agricultural Products	6 049	-	-	-	403	10 125	16 577	0.1
16	Packing House Products, Edible	-	-	-	-	-	-	-	0.0
17	Hides, Skins and Pelts	-	-	-	-	5	-	5	0.0
18	Other Animal Products	-	-	-	-	36	151	187	0.0
19	Total Animal Products	-	-	-	-	41	151	192	0.0
20	Bituminous Coal	22 961	46 483	-	-	-	-	69 444	0.4
21	Coke	47 211	7 019	-	-	35 280	437 669	527 179	2.7
22	Iron Ore	5 785 886	5 365 308	-	-	-	32 570	11 183 764	57.6
23	Aluminum Ore and Concentrates	13 325	-	-	-	194 010	29 294	236 629	1.2
24	Clay and Bentonite	-	-	-	-	-	4 299	4 299	0.0
25	Gravel and Sand	-	-	-	-	-	-	-	0.0
26	Stone, Ground or Crushed	-	669 473	-	14 062	-	-	683 535	3.5
27	Stone, Rough	-	-	-	-	417	113	530	0.0
28	Petroleum, Crude	-	-	-	-	-	-	-	0.0
29	Salt	-	-	-	-	-	-	-	0.0
30	Phosphate Rock	-	-	6 120	-	-	-	6 120	0.0
31	Sulphur	-	-	-	-	-	-	-	0.0
32	Other Mine Products	566 748	40 390	14 987	14 390	172 931	158 414	967 860	5.0
33	Total Mine Products	6 436 131	6 128 673	21 107	28 452	402 638	662 359	13 679 360	70.5
34	Pulpwood	-	-	-	-	-	-	-	0.0
35	Other Forest Products	-	-	-	-	158	19	177	0.0
36	Total Forest Products	-	-	-	-	158	19	177	0.0
37	Gasoline	155 512	37 666	13 062	-	217 459	-	423 699	2.2
38	Fuel Oil	98 540	94 216	-	-	24 878	-	217 634	1.1
39	Lubricating Oils and Grease	8 081	-	-	-	14 450	-	22 531	0.1
40	Petroleum Products, Other	28 169	139	-	-	41 187	-	69 495	0.4
41	Rubber, Crude, Natural, Synthetic	-	-	-	-	-	-	-	0.0
42	Chemicals	99 067	15 906	116 253	12 813	133 245	121 911	499 195	2.6
43	Sodium Products	29 566	-	13 956	-	4 025	309	47 856	0.2
44	Tar, Pitch and Creosote	-	-	-	-	-	21	21	0.0
45	Pig Iron	25 161	45 777	-	-	-	-	70 938	0.4
46	Iron and Steel, Bars, Rods, Slabs	-	-	-	-	469 990	301 143	771 133	4.0
47	Iron and Steel, Nails and Wire	-	-	-	-	1 047	4 994	6 041	0.0
48	Iron and Steel, Manufactured	1 639	2 551	-	-	127 979	1 773 415	1 905 584	9.8
49	Machinery and Machines	-	931	123	317	6 967	13 630	21 968	0.1
50	Cement	23 103	317 586	-	3 300	-	-	343 989	1.8
51	Woodpulp	-	-	-	-	23 362	47 551	70 913	0.4
52	Newsprint	-	-	-	-	-	-	-	0.0
53	Syrup and Molasses	1 300	-	-	-	627	-	1 927	0.0
54	Sugar	-	-	-	-	260 514	-	260 514	1.3
55	Food Products	-	-	-	-	595	961	1 556	0.0
56	Scrap Iron and Steel	38 968	78 970	-	-	-	1 376	119 314	0.6
57	Other Manufactures and Misc.(1)	22 445	411 662	-	891	104 977	324 872	864 847	4.5
58	Total Manufactures and Misc.	531 551	1 005 404	143 394	17 321	1 431 302	2 590 183	5 719 155	29.5
59	GRAND TOTAL	6 973 731	7 134 077	164 501	45 773	1 834 542	3 262 837	19 415 461	100.0

(1) Includes Unclassified Cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
1989

Table 10C Part B — ST. LAWRENCE SEAWAY

From:	DOWNBOUND TONNES						TOTAL DOWN-	% OF TOTAL DOWN-	GRAND TOTALS		
	Canada			United States					TOTAL		
To:	Canada	United States	Foreign	Canada	United States	Foreign	BOUND	BOUND	CARGO TONNES	% OF TOTAL	NO.
	5 043 688	-	123 647	1 015 033	-	1 188 941	7 371 309	25.5	7 371 309	15.2	1
	76 996	-	12 987	1 833 671	-	376 787	2 300 441	7.9	2 300 441	4.8	2
	-	-	17 679	-	-	7 704	25 383	0.1	25 383	0.1	3
	7 399	-	11 126	-	-	-	18 525	0.1	18 525	0.0	4
	239 322	-	53 883	671 689	-	267 743	1 232 637	4.3	1 232 637	2.5	5
	-	-	2	-	-	-	2	0.0	2	0.0	6
	-	-	108	-	-	18 942	19 050	0.1	19 050	0.0	7
	36 190	-	27 460	199 926	-	474 869	738 445	2.6	738 445	1.5	8
	-	-	-	-	-	-	-	0.0	-	0.0	9
	-	-	106 656	-	-	10 919	117 575	0.4	117 595	0.2	10
	-	-	-	-	-	-	-	0.0	-	0.0	11
	-	-	236 815	-	-	-	236 815	0.8	236 815	0.5	12
	-	-	-	-	-	-	-	0.0	10 060	0.0	13
	146 014	-	116 286	-	-	78 662	340 962	1.2	347 459	0.7	14
	5 549 609	-	706 649	3 720 319	-	2 424 567	12 401 144	42.8	12 417 721	25.7	15
	-	-	1 012	-	-	-	1 012	0.0	1 012	0.0	16
	-	-	-	-	-	-	-	0.0	5	0.0	17
	-	-	34 785	-	-	35 405	70 190	0.2	70 377	0.1	18
	-	-	35 797	-	-	35 405	71 202	0.2	71 394	0.1	19
	6 150	-	-	6 203 550	-	48 204	6 257 904	21.6	6 327 348	13.1	20
	92 151	-	42 447	622 707	-	186 745	944 050	3.3	1 471 229	3.0	21
	-	-	-	1 129 100	-	1 500	1 130 600	3.9	12 314 364	25.5	22
	-	-	-	-	-	-	-	0.0	236 629	0.5	23
	24 594	-	-	118 399	-	67 922	210 915	0.7	215 214	0.4	24
	-	-	-	241 749	-	-	241 749	0.8	241 749	0.5	25
	351 699	-	-	151 914	-	-	503 613	1.7	1 187 148	2.5	26
	-	-	-	-	-	-	-	0.0	530	0.0	27
	-	-	-	-	-	-	-	0.0	-	0.0	28
	1 302 673	24 085	-	787 162	62 085	-	2 176 005	7.5	2 176 005	4.5	29
	-	-	-	-	-	-	-	0.0	6 120	0.0	30
	-	-	-	-	-	-	-	0.0	-	0.0	31
	153 060	68 971	240 529	236 810	-	35 574	734 944	2.5	1 702 804	3.5	32
	1 930 327	93 056	282 976	9 491 391	62 085	339 945	12 199 780	42.1	25 879 140	53.5	33
	-	-	-	-	-	-	-	0.0	-	0.0	34
	-	-	47 723	46	-	21	47 790	0.2	47 967	0.1	35
	-	-	47 723	46	-	21	47 790	0.2	47 967	0.1	36
	87 337	26 582	20 889	6 415	-	-	141 223	0.5	564 922	1.2	37
	468 389	77 522	-	-	6 128	-	552 039	1.9	769 673	1.6	38
	-	-	20 392	-	-	-	20 392	0.1	42 923	0.1	39
	61 364	-	7 187	25 876	-	-	94 427	0.3	163 922	0.3	40
	-	-	15	-	-	-	15	0.0	15	0.0	41
	188 154	81 290	273 653	8	-	7 983	551 088	1.9	1 050 283	2.2	42
	38 431	-	-	-	-	-	38 431	0.1	86 287	0.2	43
	-	6 202	-	25 812	-	-	32 014	0.1	32 035	0.1	44
	-	-	-	-	-	-	-	0.0	70 938	0.1	45
	3 742	-	54 798	-	-	-	58 540	0.2	829 673	1.7	46
	-	-	426	-	-	1	427	0.0	6 468	0.0	47
	2 729	-	696 788	7 008	-	744 337	1 450 862	5.0	3 356 446	6.9	48
	231	-	2 381	390	-	24 784	27 786	0.1	49 754	0.1	49
	20 008	-	552	-	23 759	-	44 319	0.2	388 308	0.8	50
	-	-	40 889	-	-	6 545	47 434	0.2	118 347	0.2	51
	-	-	1 136	-	-	-	1 136	0.0	1 136	0.0	52
	-	-	-	-	-	-	-	0.0	1 927	0.0	53
	-	-	-	-	-	-	-	0.0	260 514	0.5	54
	-	-	433	14	-	19	466	0.0	2 022	0.0	55
	25 614	-	130 539	-	-	162 079	318 232	1.1	437 546	0.9	56
	47 801	-	128 804	2 851	-	668 025	847 481	2.9	1 712 328	3.5	57
	943 800	191 596	1 378 882	68 374	29 887	1 613 773	4 226 312	14.6	9 945 467	20.6	58
	8 423 736	284 652	2 452 027	13 280 130	91 972	4 413 711	28 946 228	100.0	48 361 689	100.0	59

TRAFFIC BY SELECTED CANADIAN PORTS
1989

Table 11C — ST. LAWRENCE SEAWAY

PORT OR AREA (2)	Shipments	CARGO TONNES (1) Bulk	Grains	Govt. Aid	Containers	General	Total	%
INBOUND:								
Baie Comeau	95	23 395	2 161 639	-	-	-	2 185 034	3.9
Contrecoeur	6	97 639	-	-	-	-	97 639	0.2
Cornwall	23	119 671	-	-	-	-	119 671	0.2
Goderich	-	-	-	-	-	-	-	0.0
Halifax	13	12 398	241 433	-	-	-	253 831	0.5
Hamilton	547	10 707 909	191 141	-	734	498 347	11 398 131	20.4
Humberstone	1	-	10 161	-	-	-	10 161	0.0
Kingston	2	13 604	-	-	-	-	13 604	0.0
Montreal	159	1 247 099	1 250 784	-	-	1 636	2 499 519	4.5
Picton	19	362 099	-	-	-	-	362 099	0.6
Pointe Noire	11	254 796	-	-	-	-	254 796	0.5
Port Cartier	122	476 099	2 510 741	-	-	2 069	2 988 909	5.3
Prescott	11	1 886	121 736	-	-	-	123 622	0.2
Quebec City	98	402 392	1 512 344	-	-	-	1 914 736	3.4
St. Catharines	-	-	-	-	-	-	-	0.0
Sarnia	27	234 154	-	-	-	-	234 154	0.4
Sault Ste. Marie	11	115 681	-	-	-	-	115 681	0.2
Sept-Îles	35	643 328	-	-	-	3 713	647 041	1.2
Sorel	17	34 840	306 115	-	-	-	340 955	0.6
Thorold	28	393 419	-	-	-	2 003	395 422	0.7
Trois Rivières	24	17 285	420 913	-	-	-	438 198	0.8
Thunder Bay	6	13 060	-	-	-	-	13 060	0.0
Toronto	128	884 229	62 067	-	9 337	81 663	1 037 296	1.9
Valleyfield	23	115 832	-	-	-	22 381	138 213	0.2
Windsor	11	110 889	-	-	-	-	110 889	0.2
Windsor Area	1	10 245	-	-	-	-	10 245	0.0
Other Canada	311	4 501 875	450 721	-	20	21 118	4 973 734	8.9
Total Inbound	1 729	20 793 824	9 239 795	-	10 091	632 930	30 676 640	54.8
OUTBOUND:								
Baie Comeau	1	26 027	-	-	-	-	26 027	0.0
Contrecoeur	3	22 916	-	-	-	-	22 916	0.0
Cornwall	9	10 297	-	-	-	-	10 297	0.0
Goderich	26	501 964	102 849	-	-	-	604 813	1.1
Halifax	12	231 368	-	-	-	-	231 368	0.4
Hamilton	88	587 417	1 063	4 517	-	443 943	1 036 940	1.9
Humberstone	1	17 913	-	-	-	-	17 913	0.0
Kingston	-	-	-	-	-	-	-	0.0
Montreal	32	253 599	-	-	-	3 460	257 059	0.5
Picton	14	268 338	-	-	-	-	268 338	0.5
Pointe Noire	193	4 833 365	-	-	-	-	4 833 365	8.6
Port Cartier	119	3 031 291	-	-	-	-	3 031 291	5.4
Prescott	6	-	95 401	-	-	-	95 401	0.2
Quebec City	79	1 651 482	-	-	-	-	1 651 482	3.0
St. Catharines	-	-	-	-	-	-	-	0.0
Sarnia	115	665 639	387 031	-	-	-	1 052 670	1.9
Sault Ste. Marie	31	152 056	-	-	-	247 784	399 840	0.7
Sept-Îles	61	1 493 962	-	-	-	-	1 493 962	2.7
Sorel	11	55 093	-	-	-	-	55 093	0.1
Thorold	3	430	-	-	-	320	750	0.0
Trois Rivières	6	42 717	-	-	-	-	42 717	0.1
Thunder Bay	294	642 329	5 375 063	-	-	-	6 017 392	10.8
Toronto	42	64 810	5 439	12 630	2 661	3 679	89 219	0.2
Valleyfield	21	100 852	-	-	2 332	5 793	108 977	0.2
Windsor	9	4 056	125 438	13 799	-	-	143 293	0.3
Windsor Area	68	1 062 726	-	-	-	-	1 062 726	1.9
Other Canada	235	2 579 976	59 270	-	-	75 128	2 714 374	4.9
Total Outbound	1 479	18 300 623	6 151 554	30 946	4 993	780 107	25 268 223	45.2
GRAND TOTAL	3 208	39 094 447	15 391 349	30 946	15 084	1 413 037	55 944 863	100.0

(1) Tonnage figures are limited to cargo volumes moved through the Seaway lock structures.
(2) Area includes all ports or installations within a 12 1/2 mile radius of the main harbour.

TRAFFIC BY SELECTED UNITED STATES PORTS
1989

Table 12C

ST. LAWRENCE SEAWAY

PORT OR AREA (2)	Shipments	CARGO TONNES (1)						
		Bulk	Grains	Govt. Aid	Containers	General	Total	%
INBOUND:								
Ashtabula	33	307 653	-	-	-	2 246	309 899	1.1
Buffalo	6	41 555	-	-	-	1 785	43 340	0.2
Chicago	132	79 382	-	-	4 917	718 668	802 967	2.8
Cleveland	200	1 976 719	-	-	1 847	492 992	2 471 558	8.6
Conneaut	5	127 979	-	-	-	-	127 979	0.4
Detroit	182	1 251 581	-	-	6 246	630 713	1 888 540	6.6
Detroit Area	3	48 453	-	-	-	-	48 453	0.2
Duluth-Superior	19	75 172	10 060	-	60	26 836	112 128	0.4
Erie	22	167 992	-	-	-	228	168 220	0.6
Fairport	1	10 430	-	-	-	-	10 430	0.0
Gary	18	377 666	-	-	-	22	377 688	1.3
Grand Haven	-	-	-	-	-	-	-	0.0
Green Bay	7	46 136	-	-	-	160	46 296	0.2
Huron	-	-	-	-	-	-	-	0.0
Indiana-Burns Harbor	124	2 591 055	-	-	-	64 298	2 655 353	9.2
Kenosha	-	-	-	-	-	-	-	0.0
Lackawanna	-	-	-	-	-	-	-	0.0
Lorain	8	187 431	-	-	-	-	187 431	0.7
Marquette	-	-	-	-	-	-	-	0.0
Massena	-	-	-	-	-	-	-	0.0
Milwaukee	37	32 986	-	-	261	56 243	89 490	0.3
Ogdensburg	7	86 170	-	-	-	274	86 444	0.3
Oswego	39	209 951	-	-	-	5 865	215 816	0.7
Saginaw	-	-	-	-	-	-	-	0.0
Sandusky	-	-	-	-	-	-	-	0.0
Toledo	79	116 687	-	-	90	217 832	334 609	1.2
Tonawanda	16	116 861	-	-	-	-	116 861	0.4
Trenton (Mich.)	1	8 624	-	-	-	-	8 624	0.0
Other U.S.A. Ports	48	701 503	-	-	-	15 682	717 185	2.5
Total Inbound	987	8 561 986	10 060	-	13 421	2 233 844	10 819 311	37.5
OUTBOUND:								
Ashtabula	61	1 522 559	-	-	-	-	1 522 559	5.3
Buffalo	3	30 969	-	-	-	-	30 969	0.1
Chicago	52	550 724	206 431	-	-	34 444	791 599	2.7
Cleveland	54	441 950	-	-	1 325	181 054	624 329	2.2
Conneaut	29	700 609	-	-	-	-	700 609	2.4
Detroit	106	558 876	18 901	-	-	278 971	856 748	3.0
Detroit Area	-	-	-	-	-	-	-	0.0
Duluth-Superior	231	1 245 969	3 361 891	38 046	-	14	4 645 920	16.1
Erie	14	51 577	-	-	-	7 340	58 917	0.2
Fairport	26	486 146	-	-	-	-	486 146	1.7
Gary	5	126 074	-	-	-	-	126 074	0.4
Grand Haven	14	261 133	-	-	-	-	261 133	0.9
Green Bay	17	20 096	-	30 183	-	-	50 279	0.2
Huron	4	9 186	32 716	-	-	-	41 902	0.1
Indiana-Burns Harbor	42	162 268	178 831	4 220	-	264 433	609 752	2.1
Kenosha	-	-	-	-	-	-	-	0.0
Lackawanna	1	10 074	-	-	-	-	10 074	0.0
Lorain	-	-	-	-	-	-	-	0.0
Marquette	4	48 199	-	-	-	3 713	51 912	0.2
Massena	-	-	-	-	-	-	-	0.0
Milwaukee	41	7 419	379 651	65 355	95	4 160	456 680	1.6
Ogdensburg	8	44 515	-	-	-	2 943	47 458	0.2
Oswego	1	3 300	-	-	-	-	3 300	0.0
Saginaw	-	-	-	-	-	-	-	0.0
Sandusky	101	2 508 752	-	-	-	-	2 508 752	8.7
Toledo	180	1 621 741	1 808 006	-	-	-	3 429 747	11.9
Tonawanda	1	6 128	-	-	-	-	6 128	0.0
Trenton (Mich.)	-	-	-	-	-	-	-	0.0
Other U.S.A. Ports	55	622 815	48 680	-	1 803	1 802	675 100	2.3
Total Outbound	1 050	11 041 079	6 035 107	137 804	3 223	778 874	17 996 087	62.5
GRAND TOTAL	2 037	19 603 065	6 045 167	137 804	16 644	3 012 718	28 815 398	100.0

(1) Tonnage figures are limited to cargo volumes moved through the Seaway lock structures.
(2) Area includes all ports or installations within a 12 1/2 mile radius of the main harbour.

TRAFFIC BY SELECTED FOREIGN COUNTRIES
1989

Table 13C

ST. LAWRENCE SEAWAY

COUNTRY	Shipments	CARGO TONNES (1)						
		Bulk	Grains	Govt. Aid	Containers	General	Total	%
FROM:								
Algeria	1	-	10 060	-	-	-	10 060	0.1
Australia New Zealand	17	265 212	-	-	-	15 645	280 857	2.3
Belgium	71	30 997	20	-	17 429	873 466	921 912	7.7
Brazil	44	43 241	-	-	2 683	544 367	590 291	4.9
China	5	66 867	-	-	-	995	67 862	0.6
Colombia	-	-	-	-	-	-	-	0.0
Cuba	6	74 614	-	-	-	-	74 614	0.6
England	17	46 403	-	-	41	111 378	157 822	1.3
Finland	15	4 733	-	-	-	105 690	110 423	0.9
France	29	50 601	-	-	-	283 569	334 170	2.8
French Africa	1	14 743	-	-	-	-	14 743	0.1
India	1	-	-	-	-	10 020	10 020	0.1
Ireland	-	-	-	-	-	-	-	0.0
Italy	8	10 252	-	-	-	46 407	56 659	0.5
Japan	26	-	-	-	-	296 096	296 096	2.5
Mexico	8	107 556	-	-	-	-	107 556	0.9
Netherlands	49	302 855	-	-	-	227 002	529 857	4.4
Norway Sweden	26	90 644	-	-	-	58 954	149 598	1.3
Portugal	1	13 844	-	-	-	-	13 844	0.1
Scotland	1	-	-	-	-	16 188	16 188	0.1
Soviet Union or U.S.S.R.	6	-	-	-	203	3 079	3 282	0.0
South Africa	15	137 913	-	-	2 472	1 214	141 599	1.2
Spain	18	56 617	-	-	285	89 534	146 436	1.2
Turkey	6	83 118	-	-	-	2 046	85 164	0.7
Venezuela	5	79 313	-	-	-	-	79 313	0.7
West Germany	32	338 684	-	-	327	138 349	477 360	4.0
West Indies	4	40 269	-	-	-	-	40 269	0.3
Other Africa	10	98 521	-	-	-	-	98 521	0.8
Other Asia	6	38 054	-	-	-	55	38 109	0.3
Other Europe	25	200 144	-	-	-	28 540	228 684	1.9
Other South America	4	15 998	-	-	72	-	16 070	0.1
Total From	457	2 211 193	10 080	-	23 512	2 852 594	5 097 379	42.6
TO:								
Algeria	23	-	398 498	-	-	-	398 498	3.3
Australia New Zealand	3	-	17 516	-	-	21 963	39 479	0.3
Belgium	44	92 651	657 134	-	-	7 470	757 255	6.3
Brazil	6	18 865	-	5 070	-	22 647	46 582	0.4
China	4	-	-	-	-	9 578	9 578	0.1
Colombia	6	2 683	20 080	78	90	268	23 199	0.2
Cuba	4	26 825	15 506	-	-	-	42 331	0.4
England	22	116 954	86 325	-	-	14 881	218 160	1.8
Finland	3	10 112	16 376	-	-	-	26 488	0.2
France	9	139 587	-	-	82	185	139 854	1.2
French Africa	18	-	80 831	46 522	1 491	5 660	134 504	1.1
India	5	16 836	-	-	-	10 323	27 159	0.2
Ireland	4	40 153	-	-	-	-	40 153	0.3
Italy	35	46 699	367 040	-	-	119 390	533 129	4.5
Japan	15	7 215	34 152	-	-	146 945	188 312	1.6
Mexico	2	-	-	-	-	10 003	10 003	0.1
Netherlands	54	461 200	145 748	-	-	733	607 681	5.1
Norway Sweden	11	105 763	70 484	-	-	-	176 247	1.5
Portugal	15	20 871	235 051	-	-	-	255 922	2.1
Scotland	1	-	16 521	-	-	-	16 521	0.1
Soviet Union or U.S.S.R.	15	-	71 430	-	6	60 617	132 053	1.1
South Africa	9	9 175	-	-	1 727	7 234	18 136	0.2
Spain	46	549 638	15 000	-	-	30 059	594 697	5.0
Turkey	15	152 926	43 377	-	-	34 814	231 117	1.9
Venezuela	5	2 500	33 934	-	105	357	36 896	0.3
West Germany	16	9 362	230 602	-	-	-	239 964	2.0
West Indies	10	5 262	22 615	4 390	1 864	2 096	36 227	0.3
Other Africa	23	24 915	63 982	83 978	877	10 885	184 637	1.5
Other Asia	89	303 440	64 045	-	1 325	979 301	1 348 111	11.3
Other Europe	20	30 712	240 428	-	-	1 758	272 898	2.3
Other South America	12	2 741	211	28 712	649	47 634	79 947	0.7
Total To	544	2 197 085	2 946 886	168 750	8 216	1 544 801	6 865 738	57.4
GRAND TOTAL	1 001	4 408 278	2 956 966	168 750	31 728	4 397 395	11 963 117	100.0

(1) Tonnage figures are limited to cargo volumes moved through the Seaway lock structures.

TRAFFIC RESULTS
1959–1989

HISTORICAL TABLE 14C

ST. LAWRENCE SEAWAY

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONS			TOLL REVENUE		
	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL
1959	NOT AVAILABLE											
1960	3 954	5 124	9 078	10 032 415	20 546 432	30 578 847	12 609 246	12 522 004	25 131 250	$6 056 451	$5 211 862	$11 268 313
1961	5 141	5 082	10 223	9 250 052	23 596 791	32 846 843	14 493 351	14 415 227	28 908 578	$5 059 508	$6 367 908	$11 427 416
1962	4 816	4 815	9 631	12 016 429	23 949 383	35 965 812	24 209 186	24 715 809	48 924 995	$5 016 691	$7 850 820	$12 867 511
1963	4 784	4 737	9 521	14 352 054	26 988 541	41 340 595	27 218 981	27 153 831	54 372 812	$5 937 838	$7 277 130	$13 214 968
1964	4 998	5 038	10 036	19 415 811	31 186 173	50 601 984	20 266 121	20 322 026	40 588 147	$7 005 530	$8 116 752	$15 122 282
1965	5 221	5 337	10 558	22 494 513	31 913 878	54 408 391	32 347 016	32 784 520	65 131 536	$9 394 046	$9 691 201	$19 085 247
1966	5 278	5 337	10 615	26 138 165	34 589 175	60 727 340	35 781 853	35 829 831	71 611 684	$12 010 414	$9 798 598	$21 809 012
1967	4 758	4 845	9 603	26 604 097	28 664 730	55 268 827	32 119 030	32 654 700	64 773 730	$13 613 843	$10 720 519	$24 334 362
1968	4 555	4 630	9 185	30 221 395	30 017 093	60 238 488	33 761 597	34 201 445	67 963 042	$14 475 869	$8 787 194	$23 263 063
1969	4 536	4 558	9 094	22 964 904	32 206 433	55 171 337	32 890 660	33 116 127	66 006 787	$17 343 253	$9 294 777	$26 638 030
1970	4 542	4 573	9 115	25 278 173	39 235 062	64 513 235	34 832 257	34 826 922	69 659 179	$13 553 348	$10 397 205	$23 950 553
1971	4 200	4 228	8 428	25 590 585	38 622 853	64 213 438	35 457 588	35 365 584	70 823 172	$15 015 403	$13 977 229	$28 992 632
1972	4 151	4 137	8 288	25 373 449	40 373 052	65 746 501	36 775 475	36 353 779	73 129 254	$17 090 842	$14 647 397	$31 738 239
1973	4 160	4 124	8 284	27 453 586	40 738 624	68 192 210	36 384 026	36 557 318	72 941 344	$16 462 073	$15 081 621	$31 543 694
1974	3 182	3 167	6 349	23 499 926	31 055 048	54 554 974	28 626 614	28 583 515	57 210 129	$16 409 602	$15 717 244	$32 126 846
1975	3 559	3 540	7 099	22 035 116	38 651 902	60 687 018	33 424 672	33 417 387	66 842 059	$13 188 253	$11 308 252	$24 496 505
1976	3 454	3 478	6 932	28 538 521	36 636 534	65 175 055	34 202 173	34 058 494	68 260 667	$12 629 952	$13 682 280	$26 312 232
1977	3 675	3 660	7 335	34 659 856	38 635 078	73 294 934	36 928 613	36 984 091	73 912 704	$15 904 651	$13 697 981	$29 602 632
1978	3 767	3 712	7 479	27 548 469	45 434 170	72 982 639	40 262 661	39 629 645	79 892 306	$19 964 066	$14 836 163	$34 800 229
1979	3 705	3 639	7 344	27 491 575	46 814 472	74 306 047	40 409 852	39 866 922	80 276 774	$24 276 601	$27 225 729	$51 502 330
1980	3 668	3 628	7 296	17 198 910	49 762 221	66 961 131	40 095 126	40 008 744	80 103 870	$27 508 079	$29 599 291	$57 107 370
1981	3 320	3 290	6 610	20 988 836	43 692 918	64 681 754	36 274 961	35 958 648	72 233 609	$19 512 745	$36 495 478	$56 008 223
1982	2 896	2 914	5 810	11 930 217	42 564 225	54 494 442	33 905 366	34 068 116	67 973 482	$25 182 050	$32 322 404	$57 504 454
1983	2 629	2 611	5 240	16 799 443	39 181 910	55 981 353	32 256 617	31 755 291	64 011 908	$19 631 493	$38 230 421	$57 861 914
1984	2 681	2 641	5 322	19 984 880	40 944 288	60 929 168	34 056 771	33 342 809	67 399 580	$28 628 057	$37 197 448	$65 825 505
1985	2 243	2 185	4 428	16 307 416	32 246 874	48 554 290	27 953 450	27 039 682	54 993 132	$33 908 295	$37 521 103	$71 429 398
1986	2 344	2 258	4 602	16 306 485	32 264 732	48 571 217	28 865 047	28 050 099	56 915 146	$26 732 542	$30 101 848	$56 834 390
1987	2 351	2 238	4 589	18 647 923	32 005 339	50 653 262	28 772 497	27 518 198	56 290 695	$27 804 529	$33 382 145	$61 186 674
1988	2 320	2 260	4 580	20 543 989	31 933 347	52 477 336	28 251 634	27 442 545	55 694 179	$31 089 377	$34 068 435	$65 157 812
1989	2 100	2 083	4 183	19 415 461	28 946 228	48 361 689	25 218 762	25 219 816	50 438 578	$34 584 961	$35 471 663	$70 056 624
TOTAL	112 988	113 869	226 857	639 082 651	1 053 397 506	1 692 480 157	938 651 203	933 763 125	1 872 414 328	$567 367 577	$613 885 199	$1 181 252 776

CARGO BY TARIFF CLASSIFICATION
1959–1989

HISTORICAL TABLE 15C

ST. LAWRENCE SEAWAY

YEAR	BULK		GRAINS		GOVT AID		CONTAINERS		GENERAL		TOTAL	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	NOT AVAILABLE											
1960	28 464 021	93.1	-	0.0	-	0.0	-	0.0	2 114 825	6.9	30 578 846	100.0
1961	30 770 489	93.7	-	0.0	-	0.0	-	0.0	2 076 353	6.3	32 846 842	100.0
1962	33 514 335	93.2	-	0.0	-	0.0	-	0.0	2 451 477	6.8	35 965 812	100.0
1963	38 550 187	93.3	-	0.0	-	0.0	-	0.0	2 790 408	6.7	41 340 595	100.0
1964	47 135 221	93.1	-	0.0	-	0.0	-	0.0	3 466 764	6.9	50 601 985	100.0
1965	49 240 217	90.5	-	0.0	-	0.0	-	0.0	5 168 174	9.5	54 408 391	100.0
1966	55 623 695	91.6	-	0.0	-	0.0	-	0.0	5 103 645	8.4	60 727 340	100.0
1967	49 763 848	90.0	-	0.0	-	0.0	-	0.0	5 504 979	10.0	55 268 827	100.0
1968	52 866 506	87.8	-	0.0	-	0.0	-	0.0	7 371 982	12.2	60 238 488	100.0
1969	48 647 868	88.2	-	0.0	-	0.0	-	0.0	6 523 470	11.8	55 171 338	100.0
1970	58 458 223	90.6	-	0.0	-	0.0	-	0.0	6 055 012	9.4	64 513 235	100.0
1971	56 237 700	87.6	-	0.0	-	0.0	-	0.0	7 975 737	12.4	64 213 437	100.0
1972	58 469 763	88.9	-	0.0	-	0.0	-	0.0	7 276 738	11.1	65 746 501	100.0
1973	62 900 782	92.2	-	0.0	-	0.0	-	0.0	5 291 428	7.8	68 192 210	100.0
1974	50 450 923	92.5	-	0.0	-	0.0	-	0.0	4 104 051	7.5	54 554 974	100.0
1975	57 388 271	94.6	-	0.0	-	0.0	-	0.0	3 298 747	5.4	60 687 018	100.0
1976	61 044 888	93.7	-	0.0	-	0.0	-	0.0	4 130 167	6.3	65 175 055	100.0
1977	67 119 377	91.6	-	0.0	-	0.0	-	0.0	6 175 556	8.4	73 294 933	100.0
1978	39 102 717	53.6	29 133 638	39.9	129 095	0.2	271 485	0.4	4 331 922	5.9	72 968 857	100.0
1979	43 884 766	59.0	26 357 575	35.5	158 942	0.2	229 229	0.3	3 703 388	5.0	74 333 900	100.0
1980	35 592 415	53.1	28 576 609	42.6	168 209	0.3	166 055	0.2	2 513 429	3.8	67 016 717	100.0
1981	34 868 589	53.9	26 119 711	40.3	242 632	0.4	64 746	0.1	3 420 579	5.3	64 716 257	100.0
1982	25 142 525	46.1	25 797 364	47.3	292 456	0.5	78 478	0.2	3 183 619	5.9	54 494 442	100.0
1983	26 969 832	48.2	25 372 045	45.3	294 379	0.5	60 073	0.1	3 285 024	5.9	55 981 353	100.0
1984	31 203 330	51.2	24 556 241	40.3	231 107	0.4	140 684	0.2	4 797 806	7.9	60 929 168	100.0
1985	26 827 670	55.3	17 418 609	35.9	261 917	0.5	113 671	0.2	3 932 423	8.1	48 554 290	100.0
1986	27 156 533	55.9	17 175 451	35.4	227 670	0.5	59 943	0.1	3 951 620	8.1	48 571 217	100.0
1987	27 187 830	53.7	19 208 840	37.9	211 044	0.4	42 945	0.1	4 002 603	7.9	50 653 262	100.0
1988	31 646 241	60.3	16 138 512	30.7	87 456	0.2	38 853	0.1	4 566 274	8.7	52 477 336	100.0
1989	31 552 895	65.2	12 196 741	25.2	168 750	0.4	31 728	0.1	4 411 575	9.1	48 361 689	100.0
TOTAL	1 287 781 657	76.1	268 051 336	15.8	2 473 657	0.1	1 297 890	0.1	132 979 775	7.9	1 692 584 315	100.0

TOTAL TOLLS REVENUE
1959–1989

HISTORICAL TABLE 16C

ST. LAWRENCE SEAWAY

YEAR	CARGO TARIFFS						GROSS REGISTERED TONNAGE	LOCKAGE FEES	OTHER	TOTAL
	BULK	GRAINS	GOVT AID	CONTAINERS	GENERAL	TOTAL				
	$	$	$	$	$	$	$	$	$	$
1959	7 828 636	NOT	NOT	NOT	1 818 189	9 646 825	1 606 068	NOT	15 420	11 268 313
1960	7 640 627	APPLICABLE	APPLICABLE	APPLICABLE	2 089 106	9 729 733	1 673 338	APPLICABLE	24 345	11 427 416
1961	8 981 597	-	-	-	1 929 901	10 911 498	1 920 678	-	35 335	12 867 511
1962	9 071 653	-	-	-	2 265 845	11 337 498	1 219 957	-	657 513	13 214 968
1963	11 074 332	-	-	-	2 646 716	13 721 048	1 383 788	-	17 446	15 122 282
1964	14 153 997	-	-	-	3 308 928	17 462 925	1 607 500	-	14 822	19 085 247
1965	15 011 515	-	-	-	5 021 322	20 032 837	1 760 730	-	15 445	21 809 012
1966	17 397 536	-	-	-	4 938 610	22 336 146	1 983 068	-	15 148	24 334 362
1967	15 096 582	-	-	-	5 365 115	20 461 697	1 828 439	913 275	59 652	23 263 063
1968	15 803 468	-	-	-	7 188 148	22 991 616	1 888 744	1 749 165	8 505	26 638 030
1969	13 424 451	-	-	-	6 331 797	19 756 248	1 689 016	2 494 075	11 214	23 950 553
1970	17 773 483	-	-	-	5 881 526	23 655 009	1 795 912	3 533 405	8 306	28 992 632
1971	17 677 538	-	-	-	7 748 999	25 426 537	1 974 733	4 331 602	5 367	31 738 239
1972	18 261 266	-	-	-	7 036 377	25 297 643	1 997 790	4 242 605	5 656	31 543 694
1973	20 608 149	-	-	-	5 236 108	25 844 257	2 042 408	4 232 455	7 726	32 126 846
1974	15 744 406	-	-	-	4 063 299	19 807 705	1 499 182	3 176 688	12 930	24 496 505
1975	17 612 142	-	-	-	3 234 974	20 847 116	1 735 862	3 720 018	9 236	26 312 232
1976	19 832 324	-	-	-	4 066 527	23 898 851	1 908 740	3 789 408	5 633	29 602 632
1977	22 528 087	-	-	-	6 094 584	28 622 671	2 140 978	4 030 938	5 642	34 800 229
1978	18 335 282	17 115 828	78 718	244 195	6 553 573	42 327 596	9 155 902	NOT	18 832	51 502 330
1979	24 716 528	16 370 362	103 290	212 472	6 730 737	48 133 389	8 957 417	APPLICABLE	16 565	57 107 371
1980	22 075 591	19 646 834	121 075	156 207	4 903 241	46 902 948	9 086 526	-	18 749	56 008 223
1981	24 033 362	17 895 441	174 679	55 504	6 956 739	49 115 725	8 369 227	-	19 502	57 504 454
1982	18 195 303	19 398 753	230 175	77 874	7 057 942	44 960 047	8 224 962	4 643 925	32 979	57 861 913
1983	20 996 071	20 259 032	244 307	62 448	8 179 595	49 741 453	7 994 936	8 061 656	27 460	65 825 505
1984	23 067 456	19 744 974	191 106	153 247	11 888 040	55 044 823	8 150 221	8 200 688	33 666	71 429 398
1985	20 034 048	13 752 916	217 162	120 619	9 704 218	43 828 963	6 508 406	6 459 219	37 802	56 834 390
1986	21 364 062	14 562 937	200 264	58 864	9 908 207	46 094 334	7 381 392	7 662 160	48 788	61 186 674
1987	22 085 943	16 887 282	191 691	45 836	10 067 598	49 278 350	7 730 888	8 091 383	57 191	65 157 812
1988	26 658 338	14 729 849	80 523	42 283	11 549 687	53 060 680	8 065 043	8 878 770	52 131	70 056 624
1989	28 580 341	11 413 087	-	34 731	11 774 131	51 802 290	8 015 257	8 311 312	55 457	68 184 316
TOTAL	555 664 114	201 777 295	1 832 990	1 264 280	191 539 779	952 078 458	131 297 108	96 522 747	1 354 463	1 181 252 776

PART III

St. Lawrence Seaway Toll Traffic

for the

Montreal-Lake Ontario Section

TRAFFIC BY TYPE OF VESSEL
1989

Table 1M

MONTREAL-LAKE ONTARIO SECTION

TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Cargo	852	215	1 067	16 055 539	13 700 594	10 080	-	23 512	2 855 553	16 589 739	44.8	19 491 068.91	52.7
Tug and Barge	9	13	22	45 921	35 039	-	-	-	898	35 937	0.1	36 914.47	0.1
Tanker	99	69	168	1 232 773	901 540	-	-	-	-	901 540	2.4	876 371.10	2.4
Non-Cargo	35	83	118	53 923	-	-	-	-	-	-	0.0	19 713.01	0.1
Total Up	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
Cargo	970	117	1 087	16 346 413	5 201 650	11 437 940	168 750	8 216	1 555 102	18 371 658	49.6	15 429 189.80	41.7
Tug and Barge	15	9	24	53 746	46 247	-	-	-	-	46 247	0.1	31 882.40	0.1
Tanker	128	40	168	1 233 210	1 125 249	-	-	-	-	1 125 249	3.0	1 054 853.58	2.9
Non-Cargo	37	77	114	118 323	-	-	-	-	-	-	0.0	26 066.85	0.1
Total Down	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
TOTALS:													
Cargo	1 822	332	2 154	32 401 952	18 902 244	11 448 020	168 750	31 728	4 410 655	34 961 397	94.3	34 920 258.71	94.5
Tug and Barge	24	22	46	99 667	81 286	-	-	-	898	82 184	0.2	68 796.87	0.2
Tanker	227	109	336	2 465 983	2 026 789	-	-	-	-	2 026 789	5.5	1 931 224.68	5.2
Non-Cargo	72	160	232	172 246	-	-	-	-	-	-	0.0	45 779.86	0.1
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY ORIGIN OF CARGO AND TYPE OF VESSEL
1989

Table 2M

MONTREAL-LAKE ONTARIO SECTION

ORIGIN OF CARGO AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
CANADA:													
Cargo	495	91	586	9 215 969	11 870 003	-	-	-	2 836	11 872 839	32.0	11 160 419.32	30.2
Tug and Barge	9	12	21	42 664	35 039	-	-	-	898	35 937	0.1	36 621.34	0.1
Tanker	46	65	111	651 146	342 856	-	-	-	-	342 856	0.9	349 820.94	0.9
Non-Cargo	25	73	98	39 676	-	-	-	-	-	-	0.0	13 450.00	0.0
Total Canada	575	241	816	9 949 455	12 247 898	-	-	-	3 734	12 251 632	33.0	11 560 311.60	31.3
U.S.A.:													
Cargo	10	7	17	208 277	121 893	-	-	-	123	122 016	0.3	85 669.37	0.2
Tug and Barge	-	1	1	3 257	-	-	-	-	-	-	0.0	293.13	0.0
Tanker	3	2	5	46 829	56 189	-	-	-	-	56 189	0.2	35 166.93	0.1
Non-Cargo	10	9	19	12 902	-	-	-	-	-	-	0.0	6 141.96	0.0
Total U.S.A.	23	19	42	271 265	178 082	-	-	-	123	178 205	0.5	127 271.39	0.3
FOREIGN:													
Cargo	347	117	464	6 631 293	1 708 698	10 080	-	23 512	2 852 594	4 594 884	12.4	8 244 980.22	22.3
Tug and Barge	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Tanker	50	2	52	534 798	502 495	-	-	-	-	502 495	1.4	491 383.23	1.3
Non-Cargo	-	1	1	1 345	-	-	-	-	-	-	0.0	121.05	0.0
Total Foreign	397	120	517	7 167 436	2 211 193	10 080	-	23 512	2 852 594	5 097 379	13.8	8 736 484.50	23.6
Total Up	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
CANADA:													
Cargo	401	84	485	7 452 750	2 130 875	5 703 088	30 946	4 993	776 351	8 646 253	23.3	6 457 353.79	17.5
Tug and Barge	15	5	20	40 856	46 247	-	-	-	-	46 247	0.1	30 722.30	0.1
Tanker	111	34	145	1 027 123	1 081 861	-	-	-	-	1 081 861	2.9	882 786.53	2.4
Non-Cargo	27	63	90	84 186	-	-	-	-	-	-	0.0	17 827.29	0.0
Total Canada	554	186	740	8 604 915	3 258 983	5 703 088	30 946	4 993	776 351	9 774 361	26.4	7 388 689.91	20.0
U.S.A.:													
Cargo	569	33	602	8 893 663	3 070 775	5 734 852	137 804	3 223	778 751	9 725 405	26.2	8 971 836.01	24.3
Tug and Barge	-	4	4	12 890	-	-	-	-	-	-	0.0	1 160.10	0.0
Tanker	17	6	23	206 087	43 388	-	-	-	-	43 388	0.1	172 067.05	0.5
Non-Cargo	10	14	24	34 137	-	-	-	-	-	-	0.0	8 239.56	0.0
Total U.S.A.	596	57	653	9 146 777	3 114 163	5 734 852	137 804	3 223	778 751	9 768 793	26.4	9 153 302.72	24.8
Total Down	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
TOTALS:													
CANADA:	1 129	427	1 556	18 554 370	15 506 881	5 703 088	30 946	4 993	780 085	22 025 993	59.4	18 949 001.51	51.3
U.S.A.:	619	76	695	9 418 042	3 292 245	5 734 852	137 804	3 223	778 874	9 946 998	26.8	9 280 574.11	25.1
FOREIGN:	397	120	517	7 167 436	2 211 193	10 080	-	23 512	2 852 594	5 097 379	13.8	8 736 484.50	23.6
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY CLASS AND TYPE OF VESSEL
1989

Table 3M

MONTREAL-LAKE ONTARIO SECTION

CLASS AND TYPE OF VESSEL	VESSEL TRANSIT			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
OCEAN:													
Cargo	357	137	494	6 967 655	1 853 786	10 080	-	23 512	2 850 090	4 737 468	12.8	8 347 841.72	22.6
Tanker	55	4	59	604 460	567 300	-	-	-	-	567 300	1.5	549 615.37	1.5
Total Ocean	412	141	553	7 572 115	2 421 086	10 080	-	23 512	2 850 090	5 304 768	14.3	8 897 457.09	24.1
LAKER:													
Cargo	495	78	573	9 087 884	11 846 808	-	-	-	5 463	11 852 271	32.0	11 143 227.19	30.1
Tug and Barge	9	12	21	42 664	35 039	-	-		898	35 937	0.1	36 621.34	0.1
Tanker	44	65	109	628 313	334 240	-	-	-	-	334 240	0.9	326 755.73	0.9
Total Laker	548	155	703	9 758 861	12 216 087	-	-	-	6 361	12 222 448	33.0	11 506 604.26	31.1
ALL OTHER:	35	84	119	57 180	-	-	-	-	-	-	0.0	20 006.14	0.1
Total Upbound	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
OCEAN:													
Cargo	450	42	492	6 930 773	1 846 091	2 940 071	168 750	8 216	1 552 159	6 515 287	17.6	7 181 559.79	19.4
Tanker	41	18	59	604 460	430 580	-	-	-	-	430 580	1.2	432 391.99	1.2
Total Ocean	491	60	551	7 535 233	2 276 671	2 940 071	168 750	8 216	1 552 159	6 945 867	18.7	7 613 951.78	20.6
LAKER:													
Cargo	520	75	595	9 415 640	3 355 539	8 497 869	-	-	2 943	11 856 371	32.0	8 247 630.01	22.3
Tug and Barge	14	9	23	50 489	41 650	-	-	-	-	41 650	0.1	27 497.94	0.1
Tanker	87	22	109	628 750	694 669	-	-	-	-	694 669	1.9	622 461.59	1.7
Total Laker	621	106	727	10 094 879	4 091 878	8 497 869	-	-	2 943	12 592 690	34.0	8 897 589.54	24.1
ALL OTHER:	38	77	115	121 580	4 597	-	-	-	-	4 597	0.0	30 451.31	0.1
Total Downbound	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
TOTALS:													
OCEAN:													
Cargo	807	179	986	13 898 428	3 699 877	2 950 151	168 750	31 728	4 402 249	11 252 755	30.4	15 529 401.51	42.0
Tanker	96	22	118	1 208 920	997 880	-	-	-	-	997 880	2.7	982 007.36	2.7
Total Ocean	903	201	1 104	15 107 348	4 697 757	2 950 151	168 750	31 728	4 402 249	12 250 635	33.0	16 511 408.87	44.7
LAKER:													
Cargo	1 015	153	1 168	18 503 524	15 202 367	8 497 869	-	-	8 406	23 708 642	64.0	19 390 857.20	52.5
Tug and Barge	23	21	44	93 153	76 689	-	-	-	898	77 587	0.2	64 119.28	0.2
Tanker	131	87	218	1 257 063	1 028 909	-	-	-	-	1 028 909	2.8	949 217.32	2.6
Total Laker	1 169	261	1 430	19 853 740	16 307 965	8 497 869	-	-	9 304	24 815 138	66.9	20 404 193.80	55.2
ALL OTHER:	73	161	234	178 760	4 597	-	-	-	-	4 597	0.0	50 457.45	0.1
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY TYPE OF TRANSIT AND TYPE OF VESSEL
1989

Table 4M

MONTREAL-LAKE ONTARIO SECTION

TYPE OF TRANSIT AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
OVERSEAS:													
Cargo	347	117	464	6 631 293	1 718 015	10 080	-	23 512	2 852 728	4 604 335	12.4	8 244 980.22	22.3
Tug and Barge	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Tanker	50	2	52	534 798	502 495	-	-	-	-	502 495	1.4	491 383.23	1.3
Total Overseas	397	119	516	7 166 091	2 220 510	10 080	-	23 512	2 852 728	5 106 830	13.8	8 736 363.45	23.6
INLAND:													
Cargo	471	90	561	8 771 882	11 357 648	-	-	-	2 825	11 360 473	30.6	10 834 934.54	29.3
Tug and Barge	9	11	20	41 850	35 039	-	-	-	898	35 937	0.1	36 530.34	0.1
Tanker	45	60	105	613 021	346 053	-	-	-	-	346 053	0.9	335 893.02	0.9
Total Inland	525	161	686	9 426 753	11 738 740	-	-	-	3 723	11 742 463	31.7	11 207 357.90	30.3
COASTAL:													
Cargo	34	8	42	652 364	624 931	-	-	-	-	624 931	1.7	411 154.15	1.1
Tug and Barge	-	2	2	4 071	-	-	-	-	-	-	0.0	384.13	0.0
Tanker	4	7	11	84 954	52 992	-	-	-	-	52 992	0.1	49 094.85	0.1
Total Coastal	38	17	55	741 389	677 923	-	-	-	-	677 923	1.8	460 633.13	1.2
NON-CARGO:													
Tug	-	35	35	6 084	-	-	-	-	-	-	0.0	2 288.00	0.0
All Other	35	48	83	47 839	-	-	-	-	-	-	0.0	17 425.01	0.0
Total Non-Cargo	35	83	118	53 923	-	-	-	-	-	-	0.0	19 713.01	0.1
Total Upbound	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
OVERSEAS:													
Cargo	445	20	465	6 657 778	1 828 432	2 964 455	151 115	6 626	1 537 077	6 487 705	17.5	7 125 599.91	19.3
Tug and Barge	-	1	1	584	-	-	-	-	-	-	0.0	91.00	0.0
Tanker	34	11	45	462 207	356 349	-	-	-	-	356 349	1.0	358 749.41	1.0
Total Overseas	479	32	511	7 120 569	2 184 781	2 964 455	151 115	6 626	1 537 077	6 844 054	18.5	7 484 440.32	20.2
INLAND:													
Cargo	504	83	587	9 212 373	3 333 916	8 193 204	-	1 590	10 587	11 539 297	31.1	8 063 919.79	21.8
Tug and Barge	13	8	21	49 091	41 605	-	-	-	-	41 605	0.1	27 293.62	0.1
Tanker	79	26	105	636 438	640 064	-	-	-	-	640 064	1.7	571 721.41	1.5
Total Inland	596	117	713	9 897 902	4 015 585	8 193 204	-	1 590	10 587	12 220 966	33.0	8 662 934.82	23.4
COASTAL:													
Cargo	21	14	35	476 262	39 302	280 281	17 635	-	7 438	344 656	0.9	239 670.10	0.6
Tug and Barge	2	-	2	4 071	4 642	-	-	-	-	4 642	0.0	4 497.78	0.0
Tanker	15	3	18	134 565	128 836	-	-	-	-	128 836	0.3	124 382.76	0.3
Total Coastal	38	17	55	614 898	172 780	280 281	17 635	-	7 438	478 134	1.3	368 550.64	1.0
NON-CARGO:													
Tug	-	24	24	3 634	-	-	-	-	-	-	0.0	1 391.00	0.0
All Other	37	53	90	114 689	-	-	-	-	-	-	0.0	24 675.85	0.1
Total Non-Cargo	37	77	114	118 323	-	-	-	-	-	-	0.0	26 066.85	0.1
Total Downbound	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY ORIGIN AND DESTINATION
1989

Tableau 5M

MONTREAL-LAKE ONTARIO SECTION

ORIGIN AND DESTINATION (1)	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Canada - Canada	250	190	440	4 273 093	6 706 511	-	-	-	-	6 706 511	18.1	4 231 641.17	11.4
Canada - U.S.A.	325	51	376	5 676 362	5 541 387	-	-	-	3 734	5 545 121	15.0	7 328 670.43	19.8
Foreign - Canada	112	35	147	1 877 620	1 201 925	20	-	10 091	622 506	1 834 542	4.9	1 734 593.48	4.7
Total Canada	687	276	963	11 827 075	13 449 823	20	-	10 091	626 240	14 086 174	38.0	13 294 905.08	36.0
U.S.A. - Canada	11	7	18	196 824	164 378	-	-	-	123	164 501	0.4	103 373.12	0.3
U.S.A. - U.S.A.	12	12	24	74 441	13 704	-	-	-	-	13 704	0.0	23 898.27	0.1
Foreign - U.S.A.	285	85	370	5 289 816	1 009 268	10 060	-	13 421	2 230 088	3 262 837	8.8	7 001 891.02	18.9
Total U.S.A.	308	104	412	5 561 081	1 187 350	10 060	-	13 421	2 230 211	3 441 042	9.3	7 129 162.41	19.3
Total Upbound	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
Canada - Canada	401	155	556	6 185 357	2 170 841	5 070 990	-	-	-	7 241 831	19.5	4 946 815.04	13.4
Canada - U.S.A.	7	5	12	99 064	80 503	-	-	-	-	80 503	0.2	78 255.12	0.2
Canada - Foreign	146	26	172	2 320 494	1 007 639	632 098	30 946	4 993	776 351	2 452 027	6.6	2 363 619.75	6.4
Total Canada	554	186	740	8 604 915	3 258 983	5 703 088	30 946	4 993	776 351	9 774 361	26.4	7 388 689.91	20.0
U.S.A. - Canada	251	39	290	4 244 210	1 924 717	3 420 064	-	-	10 301	5 355 082	14.4	3 988 534.24	10.8
U.S.A. - U.S.A.	12	12	24	102 492	-	-	-	-	-	-	0.0	43 947.91	0.1
U.S.A. - Foreign	333	6	339	4 800 075	1 189 446	2 314 788	137 804	3 223	768 450	4 413 711	11.9	5 120 820.57	13.9
Total U.S.A.	596	57	653	9 146 777	3 114 163	5 734 852	137 804	3 223	778 751	9 768 793	26.4	9 153 302.72	24.8
Total Downbound	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
TOTALS:													
Canada - Canada	651	345	996	10 458 450	8 877 352	5 070 990	-	-	-	13 948 342	37.6	9 178 456.21	24.8
Canada - U.S.A.	332	56	388	5 775 426	5 621 890	-	-	-	3 734	5 625 624	15.2	7 406 925.55	20.0
Canada - Foreign	146	26	172	2 320 494	1 007 639	632 098	30 946	4 993	776 351	2 452 027	6.6	2 363 619.75	6.4
Foreign - Canada	112	35	147	1 877 620	1 201 925	20	-	10 091	622 506	1 834 542	4.9	1 734 593.48	4.7
Total Canada	1 241	462	1 703	20 431 990	16 708 806	5 703 108	30 946	15 084	1 402 591	23 960 535	64.4	20 683 594.99	56.0
U.S.A. - Canada	262	46	308	4 441 034	2 089 095	3 420 064	-	-	10 424	5 519 583	14.9	4 091 907.36	11.1
U.S.A. - U.S.A.	24	24	48	176 933	13 704	-	-	-	-	13 704	0.0	67 846.18	0.2
U.S.A. - Foreign	333	6	339	4 800 075	1 189 446	2 314 788	137 804	3 223	768 450	4 413 711	11.9	5 120 820.57	13.9
Foreign - U.S.A.	285	85	370	5 289 816	1 009 268	10 060	-	13 421	2 230 088	3 262 837	8.8	7 001 891.02	18.9
Total U.S.A.	904	161	1 065	14 707 858	4 301 513	5 744 912	137 804	16 644	3 008 962	13 209 835	35.6	16 282 465.13	44.0
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

(1) Origin and destination means country in which transit originated and terminated.

TRAFFIC BY TYPE OF CARGO
1989

Table 6M

MONTREAL-LAKE ONTARIO SECTION

TYPE OF CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Bulk	724	-	724	10 523 285	14 458 814	-	-	-	-	14 458 814	39.0	13 504 537.78	36.5
Grains	1	-	1	13 867	-	10 060	-	-	-	10 060	0.0	6 680.43	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	1	-	1	14 150	-	-	-	-	-	-	0.0	2 698.40	0.0
General	169	-	169	2 426 245	-	-	-	1 601	-	1 601	0.0	4 770 649.54	12.9
Mixed	65	-	65	989 371	178 359	20	-	21 911	2 123 182	2 123 182	5.7	1 829 505.10	4.9
Passengers	35	-	35	12 710	-	-	-	-	733 269	933 559	2.5	13 008.83	0.0
In Ballast - Overseas	-	119	119	1 601 941	-	-	-	-	-	-	0.0	142 912.80	0.4
- Inland	-	161	161	1 615 501	-	-	-	-	-	-	0.0	134 143.13	0.4
- Coastal	-	17	17	149 873	-	-	-	-	-	-	0.0	13 227.30	0.0
- Non-Cargo	-	83	83	41 213	-	-	-	-	-	-	0.0	6 704.18	0.0
Total Upbound	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
Bulk	425	-	425	5 074 776	6 099 891	-	-	-	-	6 099 891	16.5	5 651 171.55	15.3
Grains	427	-	427	6 943 235	-	9 518 281	-	-	-	9 518 281	25.7	5 764 766.08	15.6
Government Aid	7	-	7	76 248	-	-	77 749	-	-	77 749	0.2	6 862.34	0.0
Containers	1	-	1	4 997	-	-	-	1 803	-	1 803	0.0	2 054.40	0.0
General	108	-	108	1 494 387	-	-	-	-	1 374 883	1 374 883	3.7	3 090 493.83	8.4
Mixed	145	-	145	2 141 488	273 255	1 919 659	91 001	6 413	180 219	2 470 547	6.7	1 847 032.23	5.0
Passengers	37	-	37	12 968	-	-	-	-	-	-	0.0	14 307.79	0.0
In Ballast - Overseas	-	32	32	344 118	-	-	-	-	-	-	0.0	30 497.89	0.1
- Inland	-	117	117	1 330 484	-	-	-	-	-	-	0.0	108 436.03	0.3
- Coastal	-	17	17	223 636	-	-	-	-	-	-	0.0	14 611.43	0.0
- Non-Cargo	-	77	77	105 355	-	-	-	-	-	-	0.0	11 759.06	0.0
Total Downbound	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
TOTALS:													
Bulk	1 149	-	1 149	15 598 061	20 558 705	-	-	-	-	20 558 705	55.5	19 155 709.33	51.8
Grains	428	-	428	6 957 102	-	9 528 341	-	-	-	9 528 341	25.7	5 771 446.51	15.6
Government Aid	7	-	7	76 248	-	-	77 749	-	-	77 749	0.2	6 862.34	0.0
Containers	2	-	2	19 147	-	-	-	3 404	-	3 404	0.0	4 752.80	0.0
General	277	-	277	3 920 632	-	-	-	-	3 498 065	3 498 065	9.4	7 861 143.37	21.3
Mixed	210	-	210	3 130 859	451 614	1 919 679	91 001	28 324	913 488	3 404 106	9.2	3 676 537.33	9.9
Passengers	72	-	72	25 678	-	-	-	-	-	-	0.0	27 316.62	0.1
In Ballast - Overseas	-	151	151	1 946 059	-	-	-	-	-	-	0.0	173 410.69	0.5
- Inland	-	278	278	2 945 985	-	-	-	-	-	-	0.0	242 579.16	0.7
- Coastal	-	34	34	373 509	-	-	-	-	-	-	0.0	27 838.73	0.1
- Non-Cargo	-	160	160	146 568	-	-	-	-	-	-	0.0	18 463.24	0.0
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY TYPE OF TRANSIT AND CARGO
1989

UPBOUND

Table 7M Part A

MONTREAL-LAKE ONTARIO SECTION

TYPE OF TRANSIT AND CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
OVERSEAS:													
Bulk	164	-	164	2 126 233	2 043 790	-	-	-	-	2 043 790	5.5	1 993 894.80	5.4
Grains	1	-	1	13 867	-	10 060	-	-	-	10 060	0.0	6 680.43	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	1	-	1	14 150	-	-	-	1 601	-	1 601	0.0	2 698.40	0.0
General	167	-	167	2 424 065	-	-	-	-	2 122 010	2 122 010	5.7	4 767 933.52	12.9
Mixed	64	-	64	985 835	176 720	20	-	21 911	730 718	929 369	2.5	1 822 243.50	4.9
In Ballast	-	119	119	1 601 941	-	-	-	-	-	-	0.0	142 912.80	0.4
Total Overseas	397	119	516	7 166 091	2 220 510	10 080	-	23 512	2 852 728	5 106 830	13.8	8 736 363.45	23.6
INLAND:													
Bulk	522	-	522	7 805 536	11 737 101	-	-	-	-	11 737 101	31.7	11 063 237.15	29.9
Grains	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	2	-	2	2 180	-	-	-	-	1 172	1 172	0.0	2 716.02	0.0
Mixed	1	-	1	3 536	1 639	-	-	-	2 551	4 190	0.0	7 261.60	0.0
In Ballast	-	161	161	1 615 501	-	-	-	-	-	-	0.0	134 143.13	0.4
Total Inland	525	161	686	9 426 753	11 738 740	-	-	-	3 723	11 742 463	31.7	11 207 357.90	30.3
COASTAL:													
Bulk	38	-	38	591 516	677 923	-	-	-	-	677 923	1.8	447 405.83	1.2
Grains	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Mixed	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
In Ballast	-	17	17	149 873	-	-	-	-	-	-	0.0	0.00	0.0
Total Coastal	38	17	55	741 389	677 923	-	-	-	-	677 923	1.8	460 633.13	1.2
NON-CARGO:	35	83	118	53 923	-	-	-	-	-	-	0.0	19 713.01	0.1
Total Upbound	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3

TRAFFIC BY TYPE OF TRANSIT AND CARGO
1989

DOWNBOUND

Table 7M Part B

MONTREAL-LAKE ONTARIO SECTION

TYPE OF TRANSIT AND CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
OVERSEAS:													
Bulk	157	-	157	1 849 219	1 945 787	-	-	-	-	1 945 787	5.2	1 896 189.35	5.1
Grains	124	-	124	2 117 478	-	2 226 135	-	-	-	2 226 135	6.0	1 392 686.74	3.8
Government Aid	6	-	6	61 466	-	-	60 114	-	-	60 114	0.2	5 531.95	0.0
Containers	1	-	1	4 997	-	-	-	1 803	-	1 803	0.0	2 054.40	0.0
General	103	-	103	1 470 721	-	-	-	-	1 358 895	1 358 895	3.7	3 053 989.64	8.3
Mixed	88	-	88	1 272 570	238 994	738 320	91 001	4 823	178 182	1 251 320	3.4	1 103 490.35	3.0
In Ballast	-	32	32	344 118	-	-	-	-	-	-	0.0	30 497.89	0.1
Total Overseas	479	32	511	7 120 569	2 184 781	2 964 455	151 115	6 626	1 537 077	6 844 054	18.5	7 484 440.32	20.2
INLAND:													
Bulk	248	-	248	3 075 927	3 981 324	-	-	-	-	3 981 324	10.7	3 590 133.42	9.7
Grains	295	-	295	4 706 038	-	7 137 443	-	-	-	7 137 443	19.3	4 277 764.98	11.6
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	4	-	4	13 155	-	-	-	-	-	8 550	0.0	19 566.49	0.1
Mixed	49	-	49	772 298	34 261	1 055 761	-	-	8 550	2 037	0.0	667 033.90	1.8
In Ballast	-	117	117	1 330 484	-	-	-	1 590	2 037	1 093 649	3.0	108 436.03	0.3
Total Inland	596	117	713	9 897 902	4 015 585	8 193 204	-	1 590	10 587	12 220 966	33.0	8 662 934.82	23.4
COASTAL:													
Bulk	20	-	20	149 630	172 780	-	-	-	-	172 780	0.5	164 848.78	0.4
Grains	8	-	8	119 719	-	154 703	-	-	-	154 703	0.4	94 314.36	0.3
Government Aid	1	-	1	14 782	-	-	17 635	-	-	17 635	0.0	1 330.39	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	1	-	1	10 511	-	-	-	-	7 438	7 438	0.0	16 937.70	0.0
Mixed	8	-	8	96 620	-	-	-	-	-	125 578	0.3	76 507.98	0.2
In Ballast	-	17	17	223 636	-	125 578	-	-	-	-	0.0	14 611.43	0.0
Total Coastal	38	17	55	614 898	172 780	280 281	17 635	-	7 438	478 134	1.3	368 550.64	1.0
NON-CARGO:	37	77	114	118 323	-	-	-	-	-	-	0.0	26 066.85	0.1
Total Downbound	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY COUNTRY OF REGISTRY
1989

Table 8M

MONTREAL-LAKE ONTARIO SECTION

COUNTRY OF REGISTRY	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
Canada	1 215	377	1 592	19 882 105	16 227 852	8 497 869	-	-	23 394	24 749 115	66.8	20 385 419.68	55.1
United States	36	49	85	265 753	21 400	28 821	58 267	89	1 845	110 422	0.3	73 251.59	0.2
England	19	1	20	412 988	61 876	215 298	-	-	128 357	405 531	1.1	483 251.10	1.3
Baltic Countries	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Belgium	10	-	10	216 610	151 240	49 962	-	966	48 386	250 554	0.7	285 967.66	0.8
Denmark	6	-	6	103 020	44 575	19 237	-	-	34 266	98 078	0.3	133 003.47	0.4
Norway	27	7	34	482 996	155 969	16 205	-	210	190 573	362 957	1.0	600 186.74	1.6
Sweden	8	-	8	44 868	26 079	4 133	-	-	30 428	60 640	0.2	94 900.50	0.3
Finland	5	1	6	77 508	17 421	-	-	-	12 399	29 820	0.1	49 138.34	0.1
France	7	3	10	138 786	-	72 773	-	-	33 486	106 259	0.3	123 783.08	0.3
West Germany	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Greece	55	12	67	976 158	289 571	161 856	6 426	2 806	324 997	785 656	2.1	1 128 006.16	3.1
Italy	1	1	2	12 704	-	-	-	-	3 135	3 135	0.0	7 883.61	0.0
Poland	56	16	72	1 176 952	136 041	554 452	-	-	236 836	927 329	2.5	1 035 604.03	2.8
Russia	17	7	24	246 210	-	-	-	209	65 272	65 481	0.2	162 679.80	0.4
Spain	6	6	12	118 680	53 529	-	-	-	-	53 529	0.1	58 322.15	0.2
Yugoslavia	66	8	74	1 365 337	423 944	452 109	-	-	285 550	1 161 603	3.1	1 348 062.65	3.6
Iceland	9	1	10	45 904	53 737	-	-	-	-	53 737	0.1	51 957.32	0.1
Cuba	8	4	12	161 622	74 614	15 506	-	-	-	90 120	0.2	89 325.70	0.2
Panama	125	27	152	1 902 539	752 043	251 346	8 337	41	589 317	1 601 084	4.3	2 216 934.05	6.0
West Indies	4	2	6	22 934	-	-	-	1 803	3 005	4 808	0.0	9 903.76	0.0
British W. Indies and Bermuda	57	14	71	821 934	332 892	89 506	26 395	-	248 336	697 129	1.9	952 503.95	2.6
Central America	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Brazil	2	-	2	28 300	-	-	-	1 601	4 822	6 423	0.0	14 339.22	0.0
Venezuela	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Peru	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
China	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
India	32	4	36	585 146	80 775	138 624	-	-	273 587	492 986	1.3	787 622.04	2.1
Japan	14	2	16	281 744	102 870	45 927	-	375	93 819	242 991	0.7	343 756.53	0.9
Middle East	104	26	130	1 955 420	333 315	514 847	32 491	9 342	756 881	1 646 876	4.4	2 376 750.06	6.4
Israel	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Turkey	1	1	2	17 140	-	-	-	-	2 046	2 046	0.0	5 941.53	0.0
Other Asia	96	16	112	1 249 438	491 892	74 677	6 746	780	458 151	1 032 246	2.8	1 558 742.70	4.2
Liberia	131	20	151	2 086 618	1 103 678	129 328	18 881	12 099	504 708	1 768 694	4.8	2 304 826.56	6.2
Algeria	4	2	6	23 994	-	-	-	1 407	7 484	8 891	0.0	19 502.29	0.1
French Africa	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Other	24	16	40	436 440	75 006	115 544	11 207	-	50 473	252 230	0.7	264 493.85	0.7
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
1989

Table 9M — MONTREAL-LAKE ONTARIO SECTION

COMMODITY	CARGO TONNES						% OF
	Bulk	Grains	Govt. Aid	Containers	General	Total	TOTAL
Wheat	-	7 001 159	39 703	-	-	7 040 862	19.0
Corn	-	2 038 002	11 924	-	-	2 049 926	5.5
Rye	-	25 383	-	-	-	25 383	0.1
Oats	-	18 525	-	-	-	18 525	0.0
Barley	-	1 229 637	-	-	-	1 229 637	3.3
Flour, Wheat	-	-	2	-	-	2	0.0
Flour, Edible, Other	18	-	18 942	45	45	19 050	0.1
Soybeans	-	676 398	-	-	-	676 398	1.8
Soybean Oil Cake and Meal	-	-	-	-	-	-	0.0
Beans and Peas	-	108 872	8 723	-	-	117 595	0.3
Malt	-	-	-	-	-	-	0.0
Flaxseed	-	236 815	-	-	-	236 815	0.6
Sunflower Seeds	-	10 060	-	-	-	10 060	0.0
Other Agricultural Products	98 664	103 169	42 547	306	61	244 747	0.7
Total Agricultural Products	98 682	11 448 020	121 841	351	106	11 669 000	31.5
Packing House Products, Edible	1 000	-	-	12	-	1 012	0.0
Hides, Skins and Pelts	-	-	-	2	3	5	0.0
Other Animal Products	70 177	-	-	188	12	70 377	0.2
Total Animal Products	71 177	-	-	202	15	71 394	0.2
Bituminous Coal	776 999	-	-	-	-	776 999	2.1
Coke	1 272 068	-	-	-	-	1 272 068	3.4
Iron Ore	11 185 264	-	-	-	-	11 185 264	30.2
Aluminum Ore and Concentrates	236 629	-	-	-	-	236 629	0.6
Clay and Bentonite	215 214	-	-	-	-	215 214	0.6
Gravel and Sand	-	-	-	-	-	-	0.0
Stone, Ground or Crushed	448 117	-	-	-	-	448 117	1.2
Stone, Rough	-	-	-	105	425	530	0.0
Petroleum, Crude	-	-	-	-	-	-	0.0
Salt	1 377 273	-	-	-	-	1 377 273	3.7
Phosphate Rock	6 120	-	-	-	-	6 120	0.0
Sulphur	-	-	-	-	-	-	0.0
Other Mine Products	1 256 289	-	-	20	147	1 256 456	3.4
Total Mine Products	16 773 973	-	-	125	572	16 774 670	45.3
Pulpwood	-	-	-	-	-	-	0.0
Other Forest Products	47 774	-	-	77	116	47 967	0.1
Total Forest Products	47 774	-	-	77	116	47 967	0.1
Gasoline	485 319	-	-	-	-	485 319	1.3
Fuel Oil	569 627	-	-	-	-	569 627	1.5
Lubricating Oils and Grease	42 923	-	-	-	-	42 923	0.1
Petroleum Products, Other	123 858	-	-	-	148	124 006	0.3
Rubber, Crude, Natural, Synthetic	-	-	-	15	-	15	0.0
Chemicals	815 941	-	-	1 320	2 186	819 447	2.2
Sodium Products	85 814	-	-	473	-	86 287	0.2
Tar, Pitch and Creosote	29 411	-	-	-	21	29 432	0.1
Pig Iron	70 938	-	-	-	-	70 938	0.2
Iron and Steel, Bars, Rods, Slabs	-	-	-	55	825 876	825 931	2.2
Iron and Steel, Nails and Wire	-	-	-	231	6 237	6 468	0.0
Iron and Steel, Manufactured	1 639	-	-	519	3 351 559	3 353 717	9.0
Machinery and Machines	231	-	-	7 140	42 044	49 415	0.1
Cement	26 911	-	-	-	552	27 463	0.1
Woodpulp	118 347	-	-	-	-	118 347	0.3
Newsprint	-	-	-	590	546	1 136	0.0
Syrup and Molasses	1 927	-	-	-	-	1 927	0.0
Sugar	260 514	-	-	-	-	260 514	0.7
Food Products	-	-	340	1 668	14	2 022	0.0
Scrap Iron and Steel	320 630	-	-	-	-	320 630	0.9
Other Manufactures and Misc. (1)	1 064 683	-	46 569	18 962	181 561	1 311 775	3.5
Total Manufactures and Misc.	4 018 713	-	46 909	30 973	4 410 744	8 507 339	22.9
GRAND TOTAL	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0

(1) Includes Unclassified Cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
1989

Table 10M Part A — MONTREAL-LAKE ONTARIO SECTION

NO.	COMMODITY (From: / To:)	UPBOUND TONNES						TOTAL UPBOUND	% OF TOTAL UPBOUND
		Canada		United States		Foreign			
		Canada	United States	Canada	United States	Canada	United States		
1	Wheat	-	-	-	-	-	-	-	0.0
2	Corn	-	-	-	-	-	-	-	0.0
3	Rye	-	-	-	-	-	-	-	0.0
4	Oats	-	-	-	-	-	-	-	0.0
5	Barley	-	-	-	-	-	-	-	0.0
6	Flour, Wheat	-	-	-	-	-	-	-	0.0
7	Flour, Edible, Other	-	-	-	-	-	-	-	0.0
8	Soybeans	-	-	-	-	-	-	-	0.0
9	Soybean Oil Cake and Meal	-	-	-	-	-	-	-	0.0
10	Beans and Peas	-	-	-	-	20	-	20	0.0
11	Malt	-	-	-	-	-	-	-	0.0
12	Flaxseed	-	-	-	-	-	-	-	0.0
13	Sunflower Seeds	-	-	-	-	-	10 060	10 060	0.1
14	Other Agricultural Products	6 049	-	-	-	383	65	6 497	0.0
15	Total Agricultural Products	6 049	-	-	-	403	10 125	16 577	0.1
16	Packing House Products, Edible	-	-	-	-	-	-	-	0.0
17	Hides, Skins and Pelts	-	-	-	-	5	-	5	0.0
18	Other Animal Products	-	-	-	-	36	151	187	0.0
19	Total Animal Products	-	-	-	-	41	151	192	0.0
20	Bituminous Coal	22 961	46 483	-	-	-	-	69 444	0.4
21	Coke	25 290	-	-	-	35 280	437 669	498 239	2.8
22	Iron Ore	5 785 886	5 365 308	-	-	-	32 570	11 183 764	63.8
23	Aluminum Ore and Concentrate	13 325	-	-	-	194 010	29 294	236 629	1.4
24	Clay and Bentonite	-	-	-	-	-	4 299	4 299	0.0
25	Gravel and Sand	-	-	-	-	-	-	-	0.0
26	Stone, Ground or Crushed	-	-	-	-	-	-	-	0.0
27	Stone, Rough	-	-	-	-	417	113	530	0.0
28	Petroleum, Crude	-	-	-	-	-	-	-	0.0
29	Salt	-	-	-	-	-	-	-	0.0
30	Phosphate Rock	-	-	6 120	-	-	-	6 120	0.0
31	Sulphur	-	-	-	-	-	-	-	0.0
32	Other Mine Products	524 739	40 390	14 987	-	172 931	158 414	911 461	5.2
33	Total Mine Products	6 372 201	5 452 181	21 107	-	402 638	662 359	12 910 486	73.7
34	Pulpwood	-	-	-	-	-	-	-	0.0
35	Other Forest Products	-	-	-	-	158	19	177	0.0
36	Total Forest Products	-	-	-	-	158	19	177	0.0
37	Gasoline	142 467	8 624	13 062	-	217 459	-	381 612	2.2
38	Fuel Oil	76 807	-	-	-	24 878	-	101 685	0.6
39	Lubricating Oils and Grease	8 081	-	-	-	14 450	-	22 531	0.1
40	Petroleum Products, Other	20 795	139	-	-	41 187	-	62 121	0.4
41	Rubber, Crude, Natural, Synthetic	-	-	-	-	-	-	-	0.0
42	Chemicals	-	15 906	116 253	12 813	133 245	121 911	400 128	2.3
43	Sodium Products	29 566	-	13 956	-	4 025	309	47 856	0.3
44	Tar, Pitch and Creosote	-	-	-	-	-	21	21	0.0
45	Pig Iron	25 161	45 777	-	-	-	-	70 938	0.4
46	Iron and Steel, Bars, Rods, Slabs	-	-	-	-	469 990	301 143	771 133	4.4
47	Iron and Steel, Nails and Wire	-	-	-	-	1 047	4 994	6 041	0.0
48	Iron and Steel, Manufactured	1 639	2 551	-	-	127 979	1 773 415	1 905 584	10.9
49	Machinery and Machines	-	909	123	-	6 967	13 630	21 629	0.1
50	Cement	-	6 903	-	-	-	-	6 903	0.0
51	Woodpulp	-	-	-	-	23 362	47 551	70 913	0.4
52	Newsprint	-	-	-	-	-	-	-	0.0
53	Syrup and Molasses	1 300	-	-	-	627	-	1 927	0.0
54	Sugar	-	-	-	-	260 514	-	260 514	1.5
55	Food Products	-	-	-	-	595	961	1 556	0.0
56	Scrap Iron and Steel	-	1 022	-	-	-	1 376	2 398	0.0
57	Other Manufacturers and Misc.(1)	22 445	11 109	-	891	104 977	324 872	464 294	2.6
58	Total Manufacturers and Misc.	328 261	92 940	143 394	13 704	1 431 302	2 590 183	4 599 784	26.2
59	GRAND TOTAL	6 706 511	5 545 121	164 501	13 704	1 834 542	3 262 837	17 527 216	100.0

(1) Includes Unclassified Cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
1989

Table 10M Part B — MONTREAL-LAKE ONTARIO SECTION

From:	DOWNBOUND TONNES						TOTAL DOWN-BOUND	% OF TOTAL DOWN-BOUND	GRAND TOTALS		
	Canada			United States					TOTAL CARGO TONNES	% OF TOTAL	NO.
To:	Canada	United States	Foreign	Canada	United States	Foreign					
	4 713 241	-	123 647	1 015 033	-	1 188 941	7 040 862	36.0	7 040 862	19.0	1
	76 996	-	12 987	1 583 156	-	376 787	2 049 926	10.5	2 049 926	5.5	2
	-	-	17 679	-	-	7 704	25 383	0.1	25 383	0.1	3
	7 399	-	11 126	-	-	-	18 525	0.1	18 525	0.0	4
	236 322	-	53 883	671 689	-	267 743	1 229 637	6.3	1 229 637	3.3	5
	-	-	2	-	-	-	2	0.0	2	0.0	6
	-	-	108	-	-	18 942	19 050	0.1	19 050	0.1	7
	23 883	-	27 460	150 186	-	474 869	676 398	3.5	676 398	1.8	8
	-	-	-	-	-	-	-	0.0	-	0.0	9
	-	-	106 656	-	-	10 919	117 575	0.6	117 595	0.3	10
	-	-	-	-	-	-	-	0.0	-	0.0	11
	-	-	236 815	-	-	-	236 815	1.2	236 815	0.6	12
	-	-	-	-	-	-	-	0.0	10 060	0.0	13
	43 302	-	116 286	-	-	78 662	238 250	1.2	244 747	0.7	14
	5 101 143	-	706 649	3 420 064	-	2 424 567	11 652 423	59.6	11 669 000	31.5	15
	-	-	1 012	-	-	-	1 012	0.0	1 012	0.0	16
	-	-	-	-	-	-	-	0.0	5	0.0	17
	-	-	34 785	-	-	35 405	70 190	0.4	70 377	0.2	18
	-	-	35 797	-	-	35 405	71 202	0.4	71 394	0.2	19
	6 150	-	-	653 201	-	48 204	707 555	3.6	776 999	2.1	20
	92 151	-	42 447	452 486	-	186 745	773 829	4.0	1 272 068	3.4	21
	-	-	-	-	-	1 500	1 500	0.0	11 185 264	30.2	22
	-	-	-	-	-	-	-	0.0	236 629	0.6	23
	24 594	-	-	118 399	-	67 922	210 915	1.1	215 214	0.6	24
	-	-	-	-	-	-	-	0.0	-	0.0	25
	296 203	-	-	151 914	-	-	448 117	2.3	448 117	1.2	26
	-	-	-	-	-	-	-	0.0	530	0.0	27
	-	-	-	-	-	-	-	0.0	-	0.0	28
	851 790	-	-	525 483	-	-	1 377 273	7.0	1 377 273	3.7	29
	-	-	-	-	-	-	-	0.0	6 120	0.0	30
	-	-	-	-	-	-	-	0.0	-	0.0	31
	36 231	32 661	240 529	-	-	35 574	344 995	1.8	1 256 456	3.4	32
	1 307 119	32 661	282 976	1 901 483	-	339 945	3 864 184	19.8	16 774 670	45.3	33
	-	-	-	-	-	-	-	0.0	-	0.0	34
	-	-	47 723	46	-	21	47 790	0.2	47 967	0.1	35
	-	-	47 723	46	-	21	47 790	0.2	47 967	0.1	36
	56 236	26 582	20 889	-	-	-	103 707	0.5	485 319	1.3	37
	467 942	-	-	-	-	-	467 942	2.4	569 627	1.5	38
	-	-	20 392	-	-	-	20 392	0.1	42 923	0.1	39
	54 689	-	7 187	9	-	-	61 885	0.3	124 006	0.3	40
	-	-	15	-	-	-	15	0.0	15	0.0	41
	122 617	15 058	273 653	8	-	7 983	419 319	2.1	819 447	2.2	42
	38 431	-	-	-	-	-	38 431	0.2	86 287	0.2	43
	-	6 202	-	23 209	-	-	29 411	0.2	29 432	0.1	44
	-	-	-	-	-	-	-	0.0	70 938	0.2	45
	-	-	54 798	-	-	-	54 798	0.3	825 931	2.2	46
	-	-	426	-	-	1	427	0.0	6 468	0.0	47
	-	-	696 788	7 008	-	744 337	1 448 133	7.4	3 353 717	9.0	48
	231	-	2 381	390	-	24 784	27 786	0.1	49 415	0.1	49
	20 008	-	552	-	-	-	20 560	0.1	27 463	0.1	50
	-	-	40 889	-	-	6 545	47 434	0.2	118 347	0.3	51
	-	-	1 136	-	-	-	1 136	0.0	1 136	0.0	52
	-	-	-	-	-	-	-	0.0	1 927	0.0	53
	-	-	-	-	-	-	-	0.0	260 514	0.7	54
	-	-	433	14	-	19	466	0.0	2 022	0.0	55
	25 614	-	130 539	-	-	162 079	318 232	1.6	320 630	0.9	56
	47 801	-	128 804	2 851	-	668 025	847 481	4.3	1 311 775	3.5	57
	833 569	47 842	1 378 882	33 489	-	1 613 773	3 907 555	20.0	8 507 339	22.9	58
	7 241 831	80 503	2 452 027	5 355 082	-	4 413 711	19 543 154	100.0	37 070 370	100.0	59

TRAFFIC BY VESSEL LENGTH
1989

Table 11M

MONTREAL-LAKE ONTARIO SECTION

VESSEL LENGTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
under 32 m	-	46	46	5 586	-	-	-	-	-	-	0.0	2 522.00	0.0
32 - 62 m	38	41	79	38 988	1 510	-	-	-	898	2 408	0.0	19 575.83	0.1
63 - 93 m	11	10	21	58 868	35 555	-	-	210	1 229	36 994	0.1	39 488.09	0.1
94 - 124 m	70	30	100	458 390	312 394	-	-	-	84 425	396 819	1.1	476 614.86	1.3
125 - 155 m	108	86	194	1 560 640	670 880	-	-	203	178 785	849 868	2.3	1 071 324.40	2.9
156 - 186 m	196	80	276	4 001 216	1 374 661	10 060	-	6 312	1 309 764	2 700 797	7.3	4 359 993.96	11.8
187 - 217 m	97	35	132	2 145 204	1 046 138	20	-	3 278	627 512	1 676 948	4.5	2 362 628.62	6.4
over 217 m	475	52	527	9 119 264	11 196 035	-	-	13 509	653 838	11 863 382	32.0	12 091 919.73	32.7
Total Upbound	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
under 32 m	-	41	41	3 740	-	-	-	-	-	-	0.0	2 145.00	0.0
32 - 62 m	44	25	69	34 549	4 500	-	-	-	-	4 500	0.0	20 763.15	0.1
63 - 93 m	13	14	27	70 262	37 175	-	-	-	8 247	45 422	0.1	42 999.59	0.1
94 - 124 m	78	26	104	477 549	375 666	51 483	-	3 210	32 287	462 646	1.2	461 491.69	1.2
125 - 155 m	161	33	194	1 559 407	1 194 592	69 009	59 869	2 559	99 330	1 425 359	3.8	1 408 223.27	3.8
156 - 186 m	244	34	278	4 007 937	938 045	1 459 960	108 881	2 447	1 035 823	3 545 156	9.6	4 202 536.65	11.4
187 - 217 m	123	14	137	2 214 359	619 002	1 190 507	-	-	379 415	2 188 924	5.9	2 176 304.54	5.9
over 217 m	487	56	543	9 383 889	3 204 166	8 666 981	-	-	-	11 871 147	32.0	8 227 528.74	22.3
Total Downbound	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
TOTALS:													
under 32 m	-	87	87	9 326	-	-	-	-	-	-	0.0	4 667.00	0.0
32 - 62 m	82	66	148	73 537	6 010	-	-	-	898	6 908	0.0	40 338.98	0.1
63 - 93 m	24	24	48	129 130	72 730	-	-	210	9 476	82 416	0.2	82 487.68	0.2
94 - 124 m	148	56	204	935 939	688 060	51 483	-	3 210	116 712	859 465	2.3	938 106.55	2.5
125 - 155 m	269	119	388	3 120 047	1 865 472	69 009	59 869	2 762	278 115	2 275 227	6.1	2 479 547.67	6.7
156 - 186 m	440	114	554	8 009 153	2 312 706	1 470 020	108 881	8 759	2 345 587	6 245 953	16.8	8 562 530.61	23.2
187 - 217 m	220	49	269	4 359 563	1 665 140	1 190 527	-	3 278	1 006 927	3 865 872	10.4	4 538 933.16	12.3
over 217 m	962	108	1 070	18 503 153	14 400 201	8 666 981	-	13 509	653 838	23 734 529	64.0	20 319 448.47	55.0
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC BY VESSEL SIZE IN GROSS REGISTERED TONS
1989

Table 12M — MONTREAL-LAKE ONTARIO SECTION

GROSS REGISTERED TONS	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES					
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%
UPBOUND:											
under 1000	39	86	125	43 060	1 510	-	-	-	1 172	2 682	0.0
1000 - 1999	4	3	7	10 039	4 796	-	-	210	955	5 961	0.0
2000 - 2999	5	7	12	34 348	12 869	-	-	-	-	12 869	0.0
3000 - 3999	24	14	38	139 881	86 074	-	-	91	12 321	98 486	0.3
4000 - 4999	33	18	51	241 481	187 400	-	-	-	26 116	213 516	0.6
5000 - 5999	24	42	66	374 353	116 026	-	-	-	39 365	155 391	0.4
6000 - 6999	15	6	21	134 957	74 134	-	-	-	28 107	102 241	0.3
7000 - 7999	19	8	27	206 345	158 249	-	-	-	8 572	166 821	0.5
8000 - 8999	20	18	38	324 259	111 431	-	-	-	50 680	162 111	0.4
9000 - 9999	39	10	49	468 406	394 561	-	-	2 584	26 376	423 521	1.1
10000 - 10999	15	13	28	295 171	79 503	-	-	-	38 328	117 831	0.3
11000 - 11999	32	3	35	397 879	299 655	-	-	600	29 116	329 371	0.9
12000 - 12999	15	9	24	297 802	70 225	-	-	344	79 969	150 538	0.4
13000 - 13999	26	10	36	491 956	362 819	10 060	-	-	84 173	457 052	1.2
14000 - 14999	30	11	41	594 707	320 162	-	-	2 231	181 816	504 209	1.4
15000 - 15999	123	34	157	2 467 584	2 541 157	-	-	-	200 342	2 741 499	7.4
16000 - 16999	283	50	333	5 466 773	5 680 757	20	-	2 581	732 889	6 416 247	17.3
17000 & over	249	38	287	5 399 155	4 135 845	-	-	14 871	1 316 154	5 466 870	14.7
Total Up	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3
DOWNBOUND:											
under 1000	45	65	110	36 775	4 525	-	-	-	175	4 700	0.0
1000 - 1999	1	11	12	18 120	-	-	-	-	1 400	1 400	0.0
2000 - 2999	8	5	13	37 661	16 907	-	-	-	5 782	22 689	0.1
3000 - 3999	32	8	40	146 891	136 810	-	-	1 407	9 584	147 801	0.4
4000 - 4999	41	10	51	241 431	220 435	42 981	-	1 803	3 869	269 088	0.7
5000 - 5999	60	9	69	393 368	428 955	8 502	6 426	586	16 234	460 703	1.2
6000 - 6999	12	8	20	128 763	77 151	-	-	-	22 188	99 339	0.3
7000 - 7999	23	5	28	214 408	172 420	-	15 785	-	5 105	193 310	0.5
8000 - 8999	30	8	38	324 259	129 429	47 548	58 671	192	11 435	247 275	0.7
9000 - 9999	36	16	52	496 773	112 269	142 319	33 034	3 323	10 599	301 544	0.8
10000 - 10999	26	2	28	294 572	184 604	49 219	4 220	274	34 944	273 261	0.7
11000 - 11999	30	6	36	409 570	326 002	211	5 082	631	23 383	355 309	1.0
12000 - 12999	17	8	25	310 105	116 825	69 993	-	-	12 542	199 360	0.5
13000 - 13999	32	5	37	505 448	204 387	290 563	-	-	44 025	538 975	1.5
14000 - 14999	34	7	41	594 521	96 185	310 559	45 532	-	94 308	546 584	1.5
15000 - 15999	137	26	163	2 563 654	263 065	2 473 867	-	-	183 458	2 920 390	7.9
16000 - 16999	308	32	340	5 581 516	973 493	5 230 568	-	-	446 946	6 651 007	17.9
17000 & over	278	12	290	5 453 857	2 909 684	2 771 610	-	-	629 125	6 310 419	17.0
Total Down	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7
TOTALS:											
under 1000	84	151	235	79 835	6 035	-	-	-	1 347	7 382	0.0
1000 - 1999	5	14	19	28 159	4 796	-	-	210	2 355	7 361	0.0
2000 - 2999	13	12	25	72 009	29 776	-	-	-	5 782	35 558	0.1
3000 - 3999	56	22	78	286 772	222 884	-	-	1 498	21 905	246 287	0.7
4000 - 4999	74	28	102	482 912	407 835	42 981	-	1 803	29 985	482 604	1.3
5000 - 5999	84	51	135	767 721	544 981	8 502	6 426	586	55 599	616 094	1.7
6000 - 6999	27	14	41	263 720	151 285	-	-	-	50 295	201 580	0.5
7000 - 7999	42	13	55	420 753	330 669	-	15 785	-	13 677	360 131	1.0
8000 - 8999	50	26	76	648 518	240 860	47 548	58 671	192	62 115	409 386	1.1
9000 - 9999	75	26	101	965 179	506 830	142 319	33 034	5 907	36 975	725 065	2.0
10000 - 10999	41	15	56	589 743	264 107	49 219	4 220	274	73 272	391 092	1.1
11000 - 11999	62	9	71	807 449	625 657	211	5 082	1 231	52 499	684 680	1.8
12000 - 12999	32	17	49	607 907	187 050	69 993	-	344	92 511	349 898	0.9
13000 - 13999	58	15	73	997 404	567 206	300 623	-	-	128 198	996 027	2.7
14000 - 14999	64	18	82	1 189 228	416 347	310 559	45 532	2 231	276 124	1 050 793	2.8
15000 - 15999	260	60	320	5 031 238	2 804 222	2 473 867	-	-	383 800	5 661 889	15.3
16000 - 16999	591	82	673	11 048 289	6 654 250	5 230 588	-	2 581	1 179 835	13 067 254	35.2
17000 & over	527	50	577	10 853 012	7 045 529	2 771 610	-	14 871	1 945 279	11 777 289	31.8
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0

TRAFFIC BY MONTH AND TYPE OF CARGO
1989

Table 13M

MONTREAL-LAKE ONTARIO SECTION

DIRECTION AND MONTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
March	5	3	8	113 968	105 357	-	-	-	-	105 357	0.3	104 024.88	0.3
April	103	33	136	1 773 502	1 525 928	-	-	1 097	281 960	1 808 985	4.9	2 081 280.81	5.6
May	132	44	176	2 261 536	2 098 158	10 060	-	2 826	339 344	2 450 388	6.6	2 783 176.18	7.5
June	125	33	158	1 917 387	1 753 549	-	-	1 506	369 587	2 124 642	5.7	2 508 910.26	6.8
July	127	36	163	2 071 605	2 033 888	-	-	4 692	350 524	2 389 104	6.4	2 732 111.78	7.4
August	120	38	158	1 983 394	1 849 962	-	-	751	228 255	2 078 968	5.6	2 241 462.00	6.1
September	118	49	167	2 168 865	1 764 069	-	-	4 733	373 052	2 141 854	5.8	2 539 811.98	6.9
October	117	54	171	2 075 799	1 548 091	-	-	2 174	395 621	1 945 886	5.2	2 363 690.00	6.4
November	133	70	203	2 653 864	1 661 115	20	-	5 733	516 052	2 182 920	5.9	2 783 361.88	7.5
December	15	20	35	368 236	297 056	-	-	-	2 056	299 112	0.8	286 237.72	0.8
January	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
February	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Total Upbound	995	380	1 375	17 388 156	14 637 173	10 080	-	23 512	2 856 451	17 527 216	47.3	20 424 067.49	55.3
DOWNBOUND:													
March	-	2	2	31 325	-	-	-	-	-	-	0.0	2 819.25	0.0
April	96	13	109	1 408 855	598 502	1 038 653	-	-	85 324	1 722 479	4.6	1 395 343.50	3.8
May	147	24	171	2 225 740	851 787	1 418 907	27 283	-	215 372	2 513 349	6.8	2 166 348.47	5.9
June	130	43	173	2 137 349	848 670	1 006 136	15 936	3 633	182 454	2 056 829	5.5	1 862 473.42	5.0
July	112	47	159	1 979 344	753 749	974 388	7 981	231	135 831	1 872 180	5.1	1 643 357.81	4.4
August	124	37	161	2 024 988	661 149	1 244 625	15 116	332	151 307	2 072 529	5.6	1 764 691.29	4.8
September	148	16	164	2 167 763	841 188	1 549 619	27 050	1 430	202 032	2 621 319	7.1	2 162 187.62	5.8
October	134	25	159	1 967 603	734 026	1 301 637	36 895	103	209 312	2 281 973	6.2	1 930 102.19	5.2
November	163	17	180	2 336 589	660 981	1 816 112	33 419	462	220 384	2 731 358	7.4	2 202 533.99	6.0
December	96	19	115	1 472 136	423 094	1 087 863	5 070	2 025	153 086	1 671 138	4.5	1 412 135.09	3.8
January	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
February	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Total Downbound	1 150	243	1 393	17 751 692	6 373 146	11 437 940	168 750	8 216	1 555 102	19 543 154	52.7	16 541 992.63	44.7
TOTALS:													
March	5	5	10	145 293	105 357	-	-	-	-	105 357	0.3	106 844.13	0.3
April	199	46	245	3 182 357	2 124 430	1 038 653	-	1 097	367 284	3 531 464	9.5	3 476 624.31	9.4
May	279	68	347	4 487 276	2 949 945	1 428 967	27 283	2 826	554 716	4 963 737	13.4	4 949 524.65	13.4
June	255	76	331	4 054 736	2 602 219	1 006 136	15 936	5 139	552 041	4 181 471	11.3	4 371 383.68	11.8
July	239	83	322	4 050 949	2 787 637	974 388	7 981	4 923	486 355	4 261 284	11.5	4 375 469.59	11.8
August	244	75	319	4 008 382	2 511 111	1 244 625	15 116	1 083	379 562	4 151 497	11.2	4 006 153.29	10.8
September	266	65	331	4 336 628	2 605 257	1 549 619	27 050	6 163	575 084	4 763 173	12.8	4 701 999.60	12.7
October	251	79	330	4 043 402	2 282 117	1 301 637	36 895	2 277	604 933	4 227 859	11.4	4 293 792.19	11.6
November	296	87	383	4 990 453	2 322 096	1 816 132	33 419	6 195	736 436	4 914 278	13.3	4 985 895.87	13.5
December	111	39	150	1 840 372	720 150	1 087 863	5 070	2 025	155 142	1 970 250	5.3	1 698 372.81	4.6
January	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
February	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
GRAND TOTAL	2 145	623	2 768	35 139 848	21 010 319	11 448 020	168 750	31 728	4 411 553	37 070 370	100.0	36 966 060.12	100.0

TRAFFIC RESULTS
1959–1989

HISTORICAL TABLE 14M

MONTREAL-LAKE ONTARIO SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONS			TOLL REVENUE		
	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL
1959	3 732	3 720	7 452	9 933 505	8 748 278	18 681 783	12 577 585	12 508 410	25 085 995	$5 516 900	$4 529 977	$10 046 877
1960	3 445	3 424	6 869	7 966 552	10 458 683	18 425 235	12 609 246	12 522 004	25 131 250	$4 529 504	$5 579 555	$10 109 059
1961	3 445	3 447	6 892	7 470 204	13 773 993	21 244 197	14 493 351	14 415 227	28 908 578	$4 445 583	$6 961 477	$11 407 060
1962	3 170	3 181	6 351	9 869 712	13 348 410	23 218 122	15 472 804	15 538 657	31 011 461	$5 688 163	$6 886 612	$12 574 775
1963	3 152	3 133	6 285	12 283 320	15 787 597	28 070 917	17 537 549	17 493 162	35 030 711	$7 005 530	$8 116 752	$15 122 282
1964	3 383	3 396	6 779	16 806 727	18 853 823	35 660 550	20 266 121	20 322 026	40 588 147	$9 394 046	$9 691 201	$19 085 247
1965	3 634	3 696	7 330	20 062 880	19 293 390	39 356 270	22 185 070	22 283 710	44 468 780	$12 010 414	$9 798 598	$21 809 012
1966	3 666	3 675	7 341	23 381 538	21 296 726	44 678 264	25 051 331	24 966 394	50 017 725	$13 613 843	$10 720 519	$24 334 362
1967	3 446	3 475	6 921	24 260 978	15 681 129	39 942 107	23 050 237	23 128 249	46 178 486	$14 045 734	$8 304 054	$22 349 788
1968	3 270	3 306	6 576	27 566 575	15 936 424	43 502 999	23 968 459	24 043 967	48 012 426	$16 509 868	$8 378 997	$24 888 865
1969	3 198	3 194	6 392	20 362 081	16 845 229	37 207 310	21 487 237	21 519 976	43 007 213	$12 410 508	$9 045 970	$21 456 478
1970	3 122	3 158	6 280	22 897 783	23 523 651	46 421 434	22 538 319	22 591 596	45 129 915	$13 427 323	$12 031 904	$25 459 227
1971	3 023	3 048	6 071	23 615 721	24 453 688	48 069 409	24 814 664	24 842 334	49 656 998	$15 134 510	$12 272 127	$27 406 637
1972	2 977	2 985	5 962	23 119 000	25 557 430	48 676 430	25 124 503	25 089 415	50 213 918	$14 569 703	$12 731 386	$27 301 089
1973	3 064	3 061	6 125	25 065 766	27 219 041	52 284 807	25 788 061	25 949 756	51 737 817	$14 508 317	$13 386 074	$27 894 391
1974	2 140	2 120	4 260	20 870 412	19 178 567	40 048 979	18 975 796	19 057 417	38 033 213	$11 742 003	$9 577 814	$21 319 817
1975	2 353	2 351	4 704	19 899 887	23 654 416	43 554 303	22 041 474	22 062 562	44 104 036	$11 022 784	$11 569 430	$22 592 214
1976	2 426	2 433	4 859	26 143 114	23 205 325	49 348 439	24 111 968	24 155 231	48 267 199	$14 178 101	$11 635 123	$25 813 224
1977	2 594	2 591	5 185	31 764 277	25 692 064	57 456 341	27 034 614	27 070 012	54 104 626	$18 087 006	$12 682 285	$30 769 291
1978	2 640	2 622	5 262	24 854 039	32 088 641	56 942 680	29 421 326	29 238 061	58 659 387	$17 373 230	$15 837 793	$33 211 023
1979	2 425	2 421	4 846	24 382 965	30 939 128	55 322 093	27 354 785	27 387 252	54 742 037	$19 829 809	$16 035 932	$35 865 741
1980	2 482	2 476	4 958	14 925 615	34 528 494	49 454 109	28 092 501	28 258 082	56 350 583	$13 253 210	$19 145 125	$32 398 335
1981	2 283	2 291	4 574	18 822 201	31 747 056	50 569 257	26 422 767	26 428 932	52 851 699	$17 478 725	$16 933 100	$34 411 825
1982	2 147	2 156	4 303	11 149 898	31 665 416	42 815 314	25 716 121	25 798 862	51 514 983	$12 588 296	$20 744 385	$33 332 681
1983	1 931	1 939	3 870	15 579 017	29 481 964	45 060 981	24 194 830	24 155 396	48 350 226	$18 567 582	$19 113 308	$37 680 890
1984	1 878	1 881	3 759	18 636 683	28 868 773	47 505 456	24 133 253	24 198 087	48 331 340	$22 956 821	$18 642 079	$41 598 900
1985	1 538	1 550	3 088	14 825 309	22 496 389	37 321 698	19 348 019	19 581 652	38 929 671	$18 210 621	$15 355 006	$33 565 627
1986	1 663	1 644	3 307	14 646 185	22 935 623	37 581 808	20 702 503	20 768 506	41 471 009	$18 086 324	$15 968 059	$34 054 383
1987	1 614	1 613	3 227	16 810 464	23 158 151	39 968 615	20 135 888	20 350 874	40 486 762	$20 154 446	$15 327 153	$35 481 599
1988	1 576	1 566	3 142	18 654 260	21 903 409	40 557 669	19 505 633	19 433 211	38 938 844	$22 224 901	$15 134 091	$37 358 992
1989	1 375	1 393	2 768	17 527 216	19 543 154	37 070 370	17 388 156	17 751 692	35 139 848	$20 424 067	$16 541 993	$36 966 060
TOTAL	82 792	82 946	165 738	584 153 884	691 864 062	1 276 017 946	681 544 171	682 910 712	1 364 454 883	$438 987 872	$388 677 879	$827 665 751

CARGO BY TARIFF CLASSIFICATION
1959–1989

HISTORICAL TABLE 15M

MONTREAL-LAKE ONTARIO SECTION

YEAR	BULK		GRAINS		GOVT AID		CONTAINERS		GENERAL		TOTAL	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	16 912 625	90.5	-	0.0	-	0.0	-	0.0	1 769 158	9.5	18 681 783	100.0
1960	16 380 534	88.9	-	0.0	-	0.0	-	0.0	2 044 701	11.1	18 425 235	100.0
1961	19 362 530	91.1	-	0.0	-	0.0	-	0.0	1 881 667	8.9	21 244 197	100.0
1962	20 934 187	90.2	-	0.0	-	0.0	-	0.0	2 283 935	9.8	23 218 122	100.0
1963	25 403 072	90.5	-	0.0	-	0.0	-	0.0	2 667 845	9.5	28 070 917	100.0
1964	32 325 207	90.6	-	0.0	-	0.0	-	0.0	3 335 343	9.4	35 660 550	100.0
1965	34 294 717	87.1	-	0.0	-	0.0	-	0.0	5 061 553	12.9	39 356 270	100.0
1966	39 699 009	88.9	-	0.0	-	0.0	-	0.0	4 979 255	11.1	44 678 264	100.0
1967	34 532 794	86.5	-	0.0	-	0.0	-	0.0	5 409 313	13.5	39 942 107	100.0
1968	36 242 775	83.3	-	0.0	-	0.0	-	0.0	7 260 224	16.7	43 502 999	100.0
1969	30 807 438	82.8	-	0.0	-	0.0	-	0.0	6 399 872	17.2	37 207 310	100.0
1970	40 481 680	87.2	-	0.0	-	0.0	-	0.0	5 939 754	12.8	46 421 434	100.0
1971	40 252 577	83.7	-	0.0	-	0.0	-	0.0	7 816 832	16.3	48 069 409	100.0
1972	41 558 573	85.4	-	0.0	-	0.0	-	0.0	7 117 857	14.6	48 676 430	100.0
1973	47 000 157	89.9	-	0.0	-	0.0	-	0.0	5 284 650	10.1	52 284 807	100.0
1974	35 946 352	89.8	-	0.0	-	0.0	-	0.0	4 102 627	10.2	40 048 979	100.0
1975	40 272 182	92.5	-	0.0	-	0.0	-	0.0	3 282 121	7.5	43 554 303	100.0
1976	45 231 966	91.7	-	0.0	-	0.0	-	0.0	4 116 473	8.3	49 348 439	100.0
1977	51 294 573	89.3	-	0.0	-	0.0	-	0.0	6 161 768	10.7	57 456 341	100.0
1978	24 475 763	43.0	27 736 129	48.7	129 095	0.2	271 485	0.5	4 330 208	7.6	56 942 680	100.0
1979	26 537 818	48.0	24 716 522	44.7	158 942	0.3	229 229	0.4	3 679 582	6.7	55 322 093	100.0
1980	19 859 217	40.2	26 747 760	54.1	168 209	0.3	166 055	0.3	2 512 868	5.1	49 454 109	100.0
1981	22 403 159	44.3	24 453 200	48.4	242 632	0.5	64 746	0.1	3 405 520	6.7	50 569 257	100.0
1982	15 013 588	35.1	24 247 173	56.6	292 456	0.7	78 478	0.2	3 183 619	7.4	42 815 314	100.0
1983	17 158 894	38.1	24 262 669	53.8	294 379	0.7	60 073	0.1	3 284 966	7.3	45 060 981	100.0
1984	18 835 140	39.6	23 500 719	49.5	231 107	0.5	140 684	0.3	4 797 806	10.1	47 505 456	100.0
1985	16 638 709	44.6	16 374 978	43.9	261 917	0.7	113 671	0.3	3 932 423	10.5	37 321 698	100.0
1986	16 988 516	45.2	16 354 059	43.5	227 670	0.6	59 943	0.2	3 951 620	10.5	37 581 808	100.0
1987	17 387 886	43.5	18 324 137	45.8	211 044	0.5	42 945	0.1	4 002 603	10.0	39 968 615	100.0
1988	20 396 561	50.3	15 468 940	38.1	87 456	0.2	38 853	0.1	4 565 859	11.3	40 557 669	100.0
1989	21 010 319	56.7	11 448 020	30.9	168 750	0.4	31 728	0.1	4 411 553	11.9	37 070 370	100.0
TOTAL	885 638 518	69.4	253 634 306	19.9	2 473 657	0.2	1 297 890	0.1	132 973 575	10.4	1 276 017 946	100.0

TOTAL TOLLS REVENUE
1959 –1989

HISTORICAL TABLE 16M

MONTREAL-LAKE ONTARIO SECTION

YEAR	CARGO TARIFFS						GROSS REGISTERED TONNAGE	LOCKAGE FEES	OTHER	TOTAL
	BULK	GRAINS	GOVT AID	CONTAINERS	GENERAL	TOTAL				
	$	$	$	$	$	$	$	$	$	$
1959	7 331 954	NOT	NOT	NOT	1 728 977	9 060 931	978 909	NOT	7 037	10 046 877
1960	7 114 602	APPLICABLE	APPLICABLE	APPLICABLE	1 998 181	9 112 783	990 222	APPLICABLE	6 054	10 109 059
1961	8 414 049	-	-	-	1 839 790	10 253 839	1 139 634	-	13 587	11 407 060
1962	9 071 653	-	-	-	2 265 845	11 337 498	1 219 957	-	17 320	12 574 775
1963	11 074 332	-	-	-	2 646 716	13 721 048	1 383 788	-	17 446	15 122 282
1964	14 153 997	-	-	-	3 308 928	17 462 925	1 607 500	-	14 822	19 085 247
1965	15 011 515	-	-	-	5 021 322	20 032 837	1 760 730	-	15 445	21 809 012
1966	17 397 536	-	-	-	4 938 610	22 336 146	1 983 068	-	15 148	24 334 362
1967	15 096 582	-	-	-	5 365 115	20 461 697	1 828 439	-	59 652	22 349 788
1968	15 803 468	-	-	-	7 188 148	22 991 616	1 888 744	-	8 505	24 888 865
1969	13 424 451	-	-	-	6 331 797	19 756 248	1 689 016	-	11 214	21 456 478
1970	17 773 483	-	-	-	5 881 526	23 655 009	1 795 912	-	8 306	25 459 227
1971	17 677 538	-	-	-	7 748 999	25 426 537	1 974 733	-	5 367	27 406 637
1972	18 261 266	-	-	-	7 036 377	25 297 643	1 997 790	-	5 656	27 301 089
1973	20 608 149	-	-	-	5 236 108	25 844 257	2 042 408	-	7 726	27 894 391
1974	15 744 406	-	-	-	4 063 299	19 807 705	1 499 182	-	12 930	21 319 817
1975	17 612 142	-	-	-	3 234 974	20 847 116	1 735 862	-	9 236	22 592 214
1976	19 832 324	-	-	-	4 066 527	23 898 851	1 908 740	-	5 633	25 813 224
1977	22 528 087	-	-	-	6 094 584	28 622 671	2 140 978	-	5 642	30 769 291
1978	12 069 904	11 371 813	52 929	182 583	5 465 001	29 142 230	4 061 063	-	7 730	33 211 023
1979	16 253 029	10 133 774	65 157	154 741	5 459 472	32 066 173	3 793 081	-	6 487	35 865 741
1980	13 219 689	10 966 582	68 963	112 825	4 125 449	28 493 508	3 896 952	-	7 875	32 398 335
1981	14 977 551	10 025 813	99 479	43 356	5 596 334	30 742 533	3 661 658	-	7 634	34 411 825
1982	11 595 158	11 637 709	140 056	61 188	6 053 279	29 487 390	3 826 592	-	18 699	33 332 681
1983	14 309 062	12 615 852	153 066	50 868	6 704 465	33 833 313	3 829 563	-	18 014	37 680 890
1984	15 517 893	12 220 374	119 889	118 834	9 806 857	37 783 847	3 793 441	-	21 612	41 598 900
1985	13 688 440	8 514 974	136 105	96 081	8 045 094	30 480 694	3 058 865	-	26 068	33 565 627
1986	14 011 885	8 503 773	118 388	50 596	8 072 769	30 757 411	3 264 590	-	32 382	34 054 383
1987	14 403 203	9 526 102	109 636	36 356	8 184 021	32 259 318	3 186 952	-	35 329	35 481 599
1988	16 808 409	8 040 430	45 106	32 417	9 342 348	34 268 710	3 055 434	-	34 848	37 358 992
1989	18 170 250	6 181 117	-	27 408	9 460 333	33 839 108	3 092 111	-	34 841	36 966 060
TOTAL	458 956 007	119 738 313	1 108 774	967 253	172 311 245	753 081 592	74 085 914	-	498 245	827 665 751

VESSEL TRANSITS
1959 –1989

HISTORICAL TABLE 17M

MONTREAL-LAKE ONTARIO SECTION

YEAR	UPBOUND				DOWNBOUND				TOTAL			
	CARGO TONNES	TRANSITS			CARGO TONNES	TRANSITS			CARGO TONNES	TRANSITS		
		LOADED	BALLAST	TOTAL		LOADED	BALLAST	TOTAL		LOADED	BALLAST	TOTAL
1959	9 933 505	2 468	1 264	3 732	8 748 278	2 586	1 134	3 720	18 681 783	5 054	2 398	7 452
1960	7 966 552	2 097	1 348	3 445	10 458 683	2 416	1 008	3 424	18 425 235	4 513	2 356	6 869
1961	7 470 204	1 932	1 513	3 445	13 773 993	2 590	857	3 447	21 244 197	4 522	2 370	6 892
1962	9 869 712	2 042	1 128	3 170	13 348 410	2 360	821	3 181	23 218 122	4 402	1 949	6 351
1963	12 283 320	2 147	1 005	3 152	15 787 597	2 271	862	3 133	28 070 917	4 418	1 867	6 285
1964	16 806 727	2 468	915	3 383	18 853 823	2 563	833	3 396	35 660 550	5 031	1 748	6 779
1965	20 062 880	2 813	821	3 634	19 293 390	2 590	1 106	3 696	39 356 270	5 403	1 927	7 330
1966	23 381 538	2 981	685	3 666	21 296 726	2 597	1 078	3 675	44 678 264	5 578	1 763	7 341
1967	24 260 978	2 863	583	3 446	15 681 129	2 050	1 425	3 475	39 942 107	4 913	2 008	6 921
1968	27 566 575	2 898	372	3 270	15 936 424	1 917	1 389	3 306	43 502 999	4 815	1 761	6 576
1969	20 362 081	2 538	660	3 198	16 845 229	1 954	1 240	3 194	37 207 310	4 492	1 900	6 392
1970	22 897 783	2 487	635	3 122	23 523 651	2 140	1 018	3 158	46 421 434	4 627	1 653	6 280
1971	23 615 721	2 532	491	3 023	24 453 688	2 146	902	3 048	48 069 409	4 678	1 393	6 071
1972	23 119 000	2 407	570	2 977	25 557 430	2 172	813	2 985	48 676 430	4 579	1 383	5 962
1973	25 065 766	2 323	741	3 064	27 219 041	2 198	863	3 061	52 284 807	4 521	1 604	6 125
1974	20 870 412	1 697	443	2 140	19 178 567	1 525	595	2 120	40 048 979	3 222	1 038	4 260
1975	19 899 887	1 626	727	2 353	23 654 416	1 864	487	2 351	43 554 303	3 490	1 214	4 704
1976	26 143 114	1 898	528	2 426	23 205 325	1 893	540	2 433	49 348 439	3 791	1 068	4 859
1977	31 764 277	2 233	361	2 594	25 692 064	1 952	639	2 591	57 456 341	4 185	1 000	5 185
1978	24 854 039	1 769	871	2 640	32 088 641	2 231	391	2 622	56 942 680	4 000	1 262	5 262
1979	24 382 965	1 600	825	2 425	30 939 128	2 105	316	2 421	55 322 093	3 705	1 141	4 846
1980	14 925 615	937	1 545	2 482	34 528 494	2 310	166	2 476	49 454 109	3 247	1 711	4 958
1981	18 822 201	1 168	1 115	2 283	31 747 056	2 035	256	2 291	50 569 257	3 203	1 371	4 574
1982	11 149 898	717	1 430	2 147	31 665 416	1 978	178	2 156	42 815 314	2 695	1 608	4 303
1983	15 579 017	955	976	1 931	29 481 964	1 770	169	1 939	45 060 981	2 725	1 145	3 870
1984	18 636 683	1 119	759	1 878	28 868 773	1 694	187	1 881	47 505 456	2 813	946	3 759
1985	14 825 309	924	614	1 538	22 496 389	1 361	189	1 550	37 321 698	2 285	803	3 088
1986	14 646 185	971	692	1 663	22 935 623	1 404	240	1 644	37 581 808	2 375	932	3 307
1987	16 810 464	1 054	560	1 614	23 158 151	1 313	300	1 613	39 968 615	2 367	860	3 227
1988	18 654 260	1 131	445	1 576	21 903 409	1 251	315	1 566	40 557 669	2 382	760	3 142
1989	17 527 216	995	380	1 375	19 543 154	1 150	243	1 393	37 070 370	2 145	623	2 768
TOTAL	584 153 884	57 790	25 002	82 792	691 864 062	62 386	20 560	82 946	1 276 017 946	120 176	45 562	165 738

HISTORICAL TABLE 18M

MONTREAL-LAKE ONTARIO SECTION

YEAR	UPBOUND				DOWNBOUND				TOTAL	
	PERCENT OF TOTAL		PERCENT LOADED	TONNES/ LOADED TRANSIT	PERCENT OF TOTAL		PERCENT LOADED	TONNES/ LOADED TRANSIT	PERCENT LOADED	TONNES/ LOADED TRANSIT
	TONNES	TRANSITS			TONNES	TRANSITS				
1959	53.2%	50.1%	66.1%	4 025	46.8%	49.9%	69.5%	3 383	67.8%	3 696
1960	43.2%	50.2%	60.9%	3 799	56.8%	49.8%	70.6%	4 329	65.7%	4 083
1961	35.2%	50.0%	56.1%	3 867	64.8%	50.0%	75.1%	5 318	65.6%	4 698
1962	42.5%	49.9%	64.4%	4 833	57.5%	50.1%	74.2%	5 656	69.3%	5 274
1963	43.8%	50.2%	68.1%	5 721	56.2%	49.8%	72.5%	6 952	70.3%	6 354
1964	47.1%	49.9%	73.0%	6 810	52.9%	50.1%	75.5%	7 356	74.2%	7 088
1965	51.0%	49.6%	77.4%	7 132	49.0%	50.4%	70.1%	7 449	73.7%	7 284
1966	52.3%	49.9%	81.3%	7 844	47.7%	50.1%	70.7%	8 201	76.0%	8 010
1967	60.7%	49.8%	83.1%	8 474	39.3%	50.2%	59.0%	7 649	71.0%	8 130
1968	63.4%	49.7%	88.6%	9 512	36.6%	50.3%	58.0%	8 313	73.2%	9 035
1969	54.7%	50.0%	79.4%	8 023	45.3%	50.0%	61.2%	8 621	70.3%	8 283
1970	49.3%	49.7%	79.7%	9 207	50.7%	50.3%	67.8%	10 992	73.7%	10 033
1971	49.1%	49.8%	83.8%	9 327	50.9%	50.2%	70.4%	11 395	77.1%	10 276
1972	47.5%	49.9%	80.9%	9 605	52.5%	50.1%	72.8%	11 767	76.8%	10 630
1973	47.9%	50.0%	75.8%	10 790	52.1%	50.0%	71.8%	12 384	73.8%	11 565
1974	52.1%	50.2%	79.3%	12 298	47.9%	49.8%	71.9%	12 576	75.6%	12 430
1975	45.7%	50.0%	69.1%	12 239	54.3%	50.0%	79.3%	12 690	74.2%	12 480
1976	53.0%	49.9%	78.2%	13 774	47.0%	50.1%	77.8%	12 258	78.0%	13 017
1977	55.3%	50.0%	86.1%	14 225	44.7%	50.0%	75.3%	13 162	80.7%	13 729
1978	43.6%	50.2%	67.0%	14 050	56.4%	49.8%	85.1%	14 383	76.0%	14 236
1979	44.1%	50.0%	66.0%	15 239	55.9%	50.0%	86.9%	14 698	76.5%	14 932
1980	30.2%	50.1%	37.8%	15 929	69.8%	49.9%	93.3%	14 947	65.5%	15 231
1981	37.2%	49.9%	51.2%	16 115	62.8%	50.1%	88.8%	15 601	70.0%	15 788
1982	26.0%	49.9%	33.4%	15 551	74.0%	50.1%	91.7%	16 009	62.6%	15 887
1983	34.6%	49.9%	49.5%	16 313	65.4%	50.1%	91.3%	16 656	70.4%	16 536
1984	39.2%	50.0%	59.6%	16 655	60.8%	50.0%	90.1%	17 042	74.8%	16 888
1985	39.7%	49.8%	60.1%	16 045	60.3%	50.2%	87.8%	16 529	74.0%	16 333
1986	39.0%	50.3%	58.3%	15 084	61.0%	49.7%	85.4%	16 336	71.8%	15 824
1987	42.1%	50.0%	65.3%	15 949	57.9%	50.0%	81.4%	17 638	73.3%	16 886
1988	46.0%	50.2%	71.8%	16 494	54.0%	49.8%	79.9%	17 509	75.8%	17 027
1989	47.3%	49.7%	72.4%	17 615	52.7%	50.3%	82.6%	16 994	77.5%	17 282
TOTAL	45.8%	50.0%	69.8%	10 108	54.2%	50.0%	75.2%	11 090	72.5%	10 618

CARGO BY TRANSIT AND VESSEL
1959 - 1989

HISTORICAL TABLE 19M

MONTREAL-LAKE ONTARIO SECTION

YEAR	TYPE OF TRANSIT						CLASS OF VESSEL				TYPE OF VESSEL					
	OVERSEAS		INLAND		COASTAL		OCEAN		LAKER		CARGO		TANKER		TUG AND BARGE	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	5 897 349	31.6	12 784 434	68.4	-	0.0	5 897 349	31.6	12 784 434	68.4	16 656 027	89.2	1 993 132	10.7	32 624	0.2
1960	7 205 508	39.1	11 219 728	60.9	-	0.0	7 205 508	39.1	11 219 728	60.9	15 923 216	86.4	2 435 425	13.2	66 595	0.4
1961	6 665 353	31.4	14 578 844	68.6	-	0.0	6 665 353	31.4	14 578 844	68.6	19 061 074	89.7	2 111 226	9.9	71 897	0.3
1962	8 179 202	35.2	15 038 920	64.8	-	0.0	8 179 202	35.2	15 038 920	64.8	21 301 110	91.7	1 883 774	8.1	33 238	0.1
1963	7 270 393	25.9	20 800 523	74.1	-	0.0	7 270 393	25.9	20 800 523	74.1	26 009 080	92.7	2 051 862	7.3	9 974	0.0
1964	9 396 157	26.3	26 264 393	73.7	-	0.0	9 396 157	26.3	26 264 393	73.7	33 124 065	92.9	2 515 655	7.1	20 830	0.1
1965	12 473 585	31.7	26 882 685	68.3	-	0.0	12 473 585	31.7	26 882 685	68.3	36 201 656	92.0	3 141 360	8.0	13 254	0.0
1966	13 051 335	29.2	31 626 930	70.8	-	0.0	13 051 335	29.2	31 626 930	70.8	41 559 750	93.0	3 101 186	6.9	17 329	0.0
1967	12 267 777	30.7	26 359 800	66.0	1 314 530	3.3	13 582 307	34.0	26 359 800	66.0	36 983 137	92.6	2 932 876	7.3	26 094	0.1
1968	13 831 259	31.8	28 602 810	65.7	1 068 930	2.5	14 900 189	34.3	28 602 810	65.7	40 526 651	93.2	2 953 762	6.8	22 586	0.1
1969	13 376 441	36.0	23 099 826	62.1	731 044	2.0	14 107 485	37.9	23 099 826	62.1	33 512 545	90.1	3 691 618	9.9	3 148	0.0
1970	12 985 069	28.0	32 862 719	70.8	573 646	1.2	13 558 715	29.2	32 862 719	70.8	42 296 844	91.1	4 096 929	8.8	27 661	0.1
1971	17 515 146	36.4	29 834 286	62.1	719 977	1.5	18 235 123	37.9	29 834 286	62.1	44 730 750	93.1	3 321 364	6.9	17 295	0.0
1972	18 625 069	38.3	29 397 071	60.4	654 289	1.3	19 279 358	39.6	29 397 071	60.4	44 428 475	91.3	3 816 785	7.8	431 169	0.9
1973	16 313 793	31.2	35 204 367	67.3	766 647	1.5	17 080 440	32.7	35 204 367	67.3	47 056 661	90.0	4 324 638	8.3	903 508	1.7
1974	10 679 072	26.7	28 668 970	71.6	700 937	1.8	11 380 009	28.4	28 668 970	71.6	36 185 581	90.4	3 196 497	8.0	666 901	1.7
1975	11 489 003	26.4	31 148 292	71.5	917 008	2.1	12 406 011	28.5	31 148 292	71.5	40 693 881	93.4	2 295 437	5.3	564 985	1.3
1976	13 324 917	27.0	35 225 785	71.4	797 737	1.6	14 122 654	28.6	35 225 785	71.4	46 859 785	95.0	1 742 068	3.5	746 586	1.5
1977	17 733 483	30.9	38 293 748	66.6	1 429 109	2.5	19 162 592	33.4	38 293 748	66.6	54 499 463	94.9	1 702 940	3.0	1 253 937	2.2
1978	21 152 474	37.1	33 866 108	59.5	1 924 098	3.4	23 076 572	40.5	33 866 108	59.5	53 700 654	94.3	2 488 012	4.4	754 014	1.3
1979	18 607 911	33.6	35 157 287	63.6	1 556 895	2.8	20 164 806	36.4	35 157 287	63.6	51 720 937	93.5	2 580 991	4.7	1 020 165	1.8
1980	13 681 019	27.7	34 736 797	70.2	1 036 293	2.1	14 717 312	29.8	34 736 797	70.2	46 515 056	94.1	2 426 899	4.9	512 154	1.0
1981	13 237 039	26.2	36 401 653	72.0	930 565	1.8	14 167 604	28.0	36 401 653	72.0	47 414 230	93.8	2 771 549	5.5	383 478	0.8
1982	12 826 010	30.0	29 141 734	68.1	847 570	2.0	13 673 580	31.9	29 141 734	68.1	40 423 087	94.4	2 333 854	5.5	58 373	0.1
1983	12 642 864	28.1	31 414 382	69.7	1 003 735	2.2	13 646 599	30.3	31 414 382	69.7	42 826 376	95.0	2 184 630	4.8	49 975	0.1
1984	15 040 063	31.7	31 356 816	66.0	1 108 577	2.3	16 148 640	34.0	31 356 816	66.0	45 549 288	95.9	1 895 266	4.0	60 902	0.1
1985	12 207 815	32.7	23 478 510	62.9	1 635 373	4.4	13 843 188	37.1	23 478 510	62.9	35 650 593	95.5	1 635 326	4.4	35 779	0.1
1986	13 158 964	35.0	22 854 004	60.8	1 568 840	4.2	14 727 804	39.2	22 854 004	60.8	35 553 827	94.6	1 999 046	5.3	28 935	0.1
1987	12 879 495	32.2	25 484 489	63.8	1 604 631	4.0	14 484 126	36.2	25 484 489	63.8	38 192 962	95.6	1 629 206	4.1	146 447	0.4
1988	13 352 152	32.9	25 995 478	64.1	1 210 039	3.0	14 562 191	35.9	25 995 478	64.1	38 158 987	94.1	2 312 981	5.7	85 701	0.2
1989	11 950 884	32.2	23 963 429	64.6	1 156 057	3.1	13 106 941	35.4	23 963 429	64.6	34 961 397	94.3	2 026 789	5.5	82 184	0.2
TOTAL	399 016 601	31.3	851 744 818	66.8	25 256 527	2.0	424 273 128	33.2	851 744 818	66.8	1 188 277 145	93.1	79 593 083	6.2	8 147 718	0.6

TRAFFIC BY VESSEL LENGTH
1959–1989

HISTORICAL TABLE 20M

MONTREAL-LAKE ONTARIO SECTION

YEAR	TRANSITS								CARGO TONNES							
	0–62m	63–93m	94–124m	125–155m	156–186m	187–217m	OVER 217m	TOTAL	0–62m	63–93m	94–124m	125–155m	156–186m	187–217m	OVER 217m	TOTAL
1959	1 359	3 755	844	781	329	304	80	7 452	52 456	6 695 713	2 277 514	3 073 701	2 341 663	3 276 797	963 939	18 681 783
1960	1 011	3 031	999	966	557	204	101	6 869	51 211	4 760 705	2 584 835	3 833 378	3 622 905	2 224 088	1 348 114	18 425 236
1961	769	2 624	1 186	1 289	575	274	175	6 892	39 963	4 165 137	3 067 828	4 830 236	3 448 580	3 020 731	2 671 722	21 244 197
1962	580	1 975	1 222	1 378	626	320	250	6 351	26 858	3 263 613	3 198 623	5 462 054	3 959 808	3 531 101	3 776 065	23 218 122
1963	616	1 568	1 173	1 375	679	487	387	6 285	36 044	2 647 216	3 028 316	5 290 972	4 294 049	6 236 943	6 537 376	28 070 916
1964	582	1 418	1 237	1 571	909	632	430	6 779	41 071	2 313 185	3 108 606	6 191 661	6 384 462	8 404 960	9 216 605	35 660 550
1965	816	1 317	1 418	1 577	1 099	570	533	7 330	45 379	2 190 754	3 625 711	6 744 073	8 599 954	7 797 486	10 352 913	39 356 270
1966	556	1 170	1 439	1 537	1 223	750	666	7 341	49 328	2 028 321	3 438 663	6 527 474	9 975 379	9 509 933	13 149 167	44 678 265
1967	718	899	1 395	1 311	1 094	769	735	6 921	76 051	1 568 338	3 359 026	5 101 354	8 283 246	8 581 821	12 972 274	39 942 107
1968	623	879	1 112	1 181	1 115	758	908	6 576	71 980	1 477 193	2 959 323	4 957 350	9 468 067	9 028 674	15 540 412	43 502 999
1969	795	909	1 192	1 234	1 048	459	755	6 392	48 912	1 439 120	3 062 048	4 624 140	8 598 574	5 810 005	13 624 512	37 207 311
1970	640	828	1 168	1 135	1 086	532	891	6 280	29 268	1 521 615	3 264 355	4 699 825	9 569 901	7 569 614	19 766 856	46 421 434
1971	318	661	1 132	1 190	1 299	614	857	6 071	37 537	1 041 829	3 057 027	5 555 321	11 555 626	8 352 245	18 469 824	48 069 409
1972	307	685	957	1 153	1 421	655	784	5 962	39 602	1 102 659	2 744 047	5 480 002	12 734 265	9 099 920	17 475 934	48 676 429
1973	364	707	1 050	1 013	1 310	820	861	6 125	21 643	1 154 509	3 364 802	5 320 783	11 442 303	11 159 949	19 820 818	52 284 807
1974	301	358	692	582	923	676	728	4 260	33 343	472 816	2 203 524	2 885 807	8 274 346	9 758 175	16 420 968	40 048 979
1975	304	232	683	796	1 022	807	860	4 704	41 185	284 220	1 972 575	3 384 138	8 659 564	10 864 468	18 348 153	43 554 303
1976	269	158	617	777	1 054	944	1 040	4 859	15 732	156 080	1 874 200	3 345 104	10 061 819	12 999 099	20 896 405	49 348 439
1977	270	212	634	800	1 400	878	991	5 185	13 866	287 989	2 168 300	3 983 524	16 472 445	13 766 149	20 764 067	57 456 340
1978	172	127	650	877	1 641	807	988	5 262	5 646	150 835	2 321 528	4 952 838	17 069 099	11 511 697	20 931 037	56 942 680
1979	170	139	467	901	1 447	735	987	4 846	4 108	210 471	1 598 802	5 276 042	15 085 964	11 003 876	22 142 830	55 322 093
1980	166	144	476	826	1 429	748	1 169	4 958	2 820	235 942	1 606 834	4 298 239	11 165 857	8 670 498	23 473 919	49 454 109
1981	184	110	478	644	1 169	741	1 248	4 574	2 354	184 723	1 585 425	3 764 266	10 389 927	9 518 149	25 124 413	50 569 257
1982	195	54	402	693	1 078	592	1 289	4 303	8 497	71 784	1 231 021	3 486 034	8 623 300	7 016 867	22 377 811	42 815 314
1983	165	53	371	535	904	471	1 371	3 870	4 676	66 101	1 369 789	2 978 461	8 060 593	5 889 031	26 692 330	45 060 981
1984	171	50	343	517	851	360	1 467	3 759	5 455	68 751	1 309 258	3 074 093	9 209 734	4 962 787	28 875 378	47 505 456
1985	195	49	314	429	657	303	1 141	3 088	3 289	41 646	1 313 158	2 279 661	7 277 954	3 554 743	22 851 247	37 321 698
1986	250	53	264	526	726	335	1 153	3 307	2 189	42 065	1 034 027	2 731 919	7 820 257	3 833 099	22 118 252	37 581 808
1987	276	102	262	398	617	321	1 251	3 227	7 010	141 707	1 082 612	2 243 223	7 404 683	4 039 151	25 050 229	39 968 615
1988	269	72	272	451	585	298	1 195	3 142	8 280	107 758	1 136 772	2 480 048	6 915 207	4 185 403	25 724 201	40 557 669
1989	235	48	204	388	554	269	1 070	2 768	6 908	82 416	859 465	2 275 227	6 245 953	3 865 872	23 734 529	37 070 370
TOTAL	13 646	24 387	24 653	28 831	30 427	17 433	26 361	165 738	832 661	39 975 211	70 808 014	131 130 945	273 015 484	229 043 331	531 212 300	1 276 017 946

COMMODITY GROUPS
1959–1989

HISTORICAL TABLE 21M

MONTREAL-LAKE ONTARIO SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		PACKAGE FREIGHT		TOTAL	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	6 830 789	36.6	178 899	1.0	7 409 667	39.7	275 569	1.5	3 526 506	18.9	460 353	2.5	18 681 783	100.0
1960	7 457 469	40.5	203 898	1.1	5 875 359	31.9	257 990	1.4	4 127 165	22.4	503 355	2.7	18 425 236	100.0
1961	9 683 584	45.6	251 453	1.2	5 524 657	26.0	187 193	0.9	5 038 380	23.7	558 930	2.6	21 244 197	100.0
1962	10 281 833	44.3	278 837	1.2	7 429 858	32.0	228 968	1.0	4 434 191	19.1	564 435	2.4	23 218 122	100.0
1963	12 531 837	44.6	367 316	1.3	9 351 041	33.3	281 888	1.0	5 036 141	17.9	502 693	1.8	28 070 916	100.0
1964	15 368 230	43.1	489 837	1.4	12 857 268	36.1	305 268	0.9	6 072 986	17.0	566 961	1.6	35 660 550	100.0
1965	15 997 319	40.6	385 678	1.0	13 850 576	35.2	268 267	0.7	8 290 421	21.1	564 009	1.4	39 356 270	100.0
1966	18 144 613	40.6	352 685	0.8	16 691 053	37.4	359 441	0.8	8 603 537	19.3	526 936	1.2	44 678 265	100.0
1967	12 419 089	31.1	363 900	0.9	17 505 477	43.8	356 107	0.9	8 970 941	22.5	326 593	0.8	39 942 107	100.0
1968	12 279 678	28.2	330 234	0.8	19 150 316	44.0	383 129	0.9	10 902 319	25.1	457 323	1.1	43 502 999	100.0
1969	11 400 922	30.6	315 558	0.8	13 016 108	35.0	322 364	0.9	11 734 073	31.5	418 286	1.1	37 207 311	100.0
1970	17 961 480	38.7	333 023	0.7	15 955 716	34.4	255 851	0.6	11 535 241	24.8	380 123	0.8	46 421 434	100.0
1971	20 495 174	42.6	388 634	0.8	14 649 825	30.5	333 195	0.7	11 835 217	24.6	367 364	0.8	48 069 409	100.0
1972	21 390 755	43.9	302 643	0.6	13 965 088	28.7	281 676	0.6	12 559 825	25.8	176 442	0.4	48 676 429	100.0
1973	22 072 903	42.2	260 861	0.5	17 850 383	34.1	169 713	0.3	11 859 342	22.7	71 605	0.1	52 284 807	100.0
1974	14 672 142	36.6	230 774	0.6	17 327 687	43.3	93 671	0.2	7 699 376	19.2	25 329	0.1	40 048 979	100.0
1975	19 440 779	44.6	140 009	0.3	16 530 527	38.0	109 771	0.3	7 308 691	16.8	24 526	0.1	43 554 303	100.0
1976	18 755 125	38.0	240 764	0.5	22 504 977	45.6	75 029	0.2	7 733 394	15.7	39 150	0.1	49 348 439	100.0
1977	21 815 530	38.0	228 391	0.4	25 033 807	43.6	99 071	0.2	10 246 887	17.8	32 654	0.1	57 456 340	100.0
1978	27 885 242	49.0	182 675	0.3	19 084 040	33.5	118 074	0.2	9 631 369	16.9	41 280	0.1	56 942 680	100.0
1979	24 919 208	45.0	156 980	0.3	20 404 400	36.9	82 178	0.1	9 736 697	17.6	22 630	0.0	55 322 093	100.0
1980	26 920 476	54.4	182 346	0.4	14 891 195	30.1	56 087	0.1	7 386 038	14.9	17 967	0.0	49 454 109	100.0
1981	24 673 525	48.8	185 196	0.4	17 857 148	35.3	44 299	0.1	7 801 251	15.4	7 838	0.0	50 569 257	100.0
1982	24 515 880	57.3	134 682	0.3	10 762 770	25.1	24 026	0.1	7 377 956	17.2	-	0.0	42 815 314	100.0
1983	24 449 080	54.3	95 902	0.2	13 081 176	29.0	24 164	0.1	7 410 659	16.4	-	0.0	45 060 981	100.0
1984	23 649 862	49.8	85 109	0.2	14 802 071	31.2	70 517	0.1	8 897 897	18.7	-	0.0	47 505 456	100.0
1985	16 486 803	44.2	90 157	0.2	12 491 239	33.5	33 555	0.1	8 219 944	22.0	-	0.0	37 321 698	100.0
1986	16 490 065	43.9	67 872	0.2	12 253 937	32.6	7 375	0.0	8 762 559	23.3	-	0.0	37 581 808	100.0
1987	18 454 108	46.2	54 982	0.1	13 219 140	33.1	10 987	0.0	8 229 398	20.6	-	0.0	39 968 615	100.0
1988	15 545 348	38.3	73 483	0.2	16 220 120	40.0	30 228	0.1	8 688 490	21.4	-	0.0	40 557 669	100.0
1989	11 669 000	31.5	71 394	0.2	16 774 670	45.3	47 967	0.1	8 507 339	22.9	-	0.0	37 070 370	100.0
TOTAL	544 657 848	42.7	7 024 172	0.6	454 321 296	35.6	5 193 618	0.4	258 164 230	20.2	6 656 782	0.5	1 276 017 946	100.0

SELECTED U.S. GRAINS
1959 –1989

HISTORICAL TABLE 22M

MONTREAL-LAKE ONTARIO SECTION

YEAR	WHEAT		CORN		RYE		OATS		BARLEY		SOYBEANS		FLAXSEED		SUNFLOWER SEEDS		TOTAL GRAINS	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	444 329	2.4	799 945	4.3	22 558	0.1	403 569	2.2	533 572	2.9	143 386	0.8	162 137	0.9	-	0.0	2 509 496	13.4
1960	631 892	3.4	952 811	5.2	77 113	0.4	290 575	1.6	517 372	2.8	441 119	2.4	80 547	0.4	-	0.0	2 991 429	16.2
1961	1 163 344	5.5	1 421 950	6.7	54 249	0.3	76 976	0.4	256 290	1.2	400 369	1.9	72 363	0.3	-	0.0	3 445 541	16.2
1962	817 875	3.5	1 944 008	8.4	244 657	1.1	389 572	1.7	647 457	2.8	632 720	2.7	98 370	0.4	-	0.0	4 774 659	20.6
1963	1 249 345	4.5	2 392 559	8.5	211 086	0.8	86 811	0.3	532 377	1.9	574 083	2.0	85 171	0.3	-	0.0	5 131 432	18.3
1964	809 221	2.3	2 905 038	8.1	71 024	0.2	54 866	0.2	687 665	1.9	868 192	2.4	144 532	0.4	-	0.0	5 540 538	15.5
1965	1 109 330	2.8	3 294 033	8.4	34 533	0.1	314 753	0.8	657 395	1.7	1 136 160	2.9	73 143	0.2	-	0.0	6 619 347	16.8
1966	1 520 708	3.4	3 039 049	6.8	93 405	0.2	369 598	0.8	515 254	1.2	1 045 231	2.3	143 134	0.3	-	0.0	6 726 379	15.1
1967	1 119 773	2.8	1 881 877	4.7	45 839	0.1	100 435	0.3	317 575	0.8	759 552	1.9	146 391	0.4	-	0.0	4 371 442	10.9
1968	1 533 785	3.5	2 868 570	6.6	39 251	0.1	37 112	0.1	122 847	0.3	1 127 774	2.6	199 074	0.5	-	0.0	5 928 413	13.6
1969	1 229 554	3.3	3 075 734	8.3	24 275	0.1	2 185	0.0	69 880	0.2	1 378 579	3.7	181 402	0.5	-	0.0	5 961 609	16.0
1970	1 535 257	3.3	2 575 550	5.5	864	0.0	203 140	0.4	999 305	2.2	2 205 342	4.8	58 710	0.1	-	0.0	7 578 168	16.3
1971	1 427 649	3.0	3 012 593	6.3	124 290	0.3	36 782	0.1	421 332	0.9	2 594 839	5.4	26 088	0.1	-	0.0	7 643 573	15.9
1972	2 182 496	4.5	3 271 754	6.7	3 907	0.0	93 396	0.2	854 825	1.8	1 427 652	2.9	259 647	0.5	-	0.0	8 093 677	16.6
1973	3 487 434	6.7	3 544 948	6.8	586 196	1.1	629 029	1.2	1 162 678	2.2	1 471 727	2.8	5 498	0.0	-	0.0	10 887 510	20.8
1974	1 622 560	4.1	2 503 352	6.3	210 099	0.5	309 893	0.8	323 909	0.8	911 774	2.3	100	0.0	-	0.0	5 881 687	14.7
1975	3 576 444	8.2	2 707 189	6.2	3 627	0.0	131 648	0.3	158 327	0.4	1 156 977	2.7	16 803	0.0	-	0.0	7 751 015	17.8
1976	1 588 121	3.2	3 808 618	7.7	3 289	0.0	126 465	0.3	610 958	1.2	1 082 785	2.2	5 742	0.0	-	0.0	7 225 978	14.6
1977	2 938 824	5.1	3 479 895	6.1	-	0.0	125 110	0.2	920 852	1.6	1 349 160	2.3	25 456	0.0	-	0.0	8 839 297	15.4
1978	5 531 295	9.7	5 826 521	10.2	-	0.0	126 331	0.2	270 413	0.5	2 152 349	3.8	11 965	0.0	-	0.0	13 918 874	24.4
1979	4 061 266	7.3	6 869 035	12.4	60 066	0.1	3 698	0.0	288 469	0.5	1 430 693	2.6	-	0.0	-	0.0	12 713 227	23.0
1980	3 556 167	7.2	5 444 933	11.0	137 520	0.3	36 590	0.1	680 577	1.4	1 240 782	2.5	2 215	0.0	1 205 564	2.4	12 304 348	24.9
1981	3 480 645	6.9	3 656 771	7.2	47 253	0.1	27 711	0.1	837 264	1.7	1 533 435	3.0	13 227	0.0	1 301 072	2.6	10 897 378	21.5
1982	2 856 250	6.7	2 939 988	6.9	9 670	0.0	7 057	0.0	354 808	0.8	982 526	2.3	14 291	0.0	1 140 147	2.7	8 304 737	19.4
1983	2 824 695	6.3	2 083 258	4.6	23 370	0.1	950	0.0	831 164	1.8	270 977	0.6	1 025	0.0	643 709	1.4	6 679 148	14.8
1984	3 124 417	6.6	2 257 653	4.8	8 401	0.0	3 052	0.0	608 831	1.3	826 106	1.7	5 180	0.0	755 960	1.6	7 589 600	16.0
1985	1 958 906	5.2	1 938 864	5.2	-	0.0	-	0.0	132 080	0.4	660 270	1.8	-	0.0	378 552	1.0	5 068 672	13.6
1986	2 324 945	6.2	692 382	1.8	5 500	0.0	-	0.0	332 051	0.9	1 041 258	2.8	31 504	0.1	193 957	0.5	4 621 597	12.3
1987	1 703 876	4.3	1 718 123	4.3	5 207	0.0	14 251	0.0	464 631	1.2	1 018 785	2.5	-	0.0	131 637	0.3	5 056 510	12.7
1988	2 046 771	5.0	2 022 111	5.0	10 410	0.0	-	0.0	599 748	1.5	597 140	1.5	-	0.0	14 106	0.0	5 290 286	13.0
1989	2 203 974	5.9	1 959 943	5.3	7 704	0.0	-	0.0	939 432	2.5	625 055	1.7	-	0.0	-	0.0	5 736 108	15.5
TOTAL	65 661 148	5.1	86 889 055	6.8	2 165 363	0.2	4 001 555	0.3	16 649 338	1.3	33 086 797	2.6	1 863 715	0.1	5 764 704	0.5	216 081 675	16.9

SELECTED CANADIAN GRAINS
1959–1989

HISTORICAL TABLE 23M

MONTREAL-LAKE ONTARIO SECTION

YEAR	WHEAT		CORN		RYE		OATS		BARLEY		SOYBEANS		FLAXSEED		SUNFLOWER SEEDS		TOTAL GRAINS	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	2 706 061	14.5	61 387	0.3	2 231	0.0	260 258	1.4	504 670	2.7	55 682	0.3	143 479	0.8	-	0.0	3 733 768	20.0
1960	2 864 328	15.5	46 774	0.3	7 605	0.0	161 616	0.9	550 885	3.0	73 213	0.4	202 972	1.1	-	0.0	3 907 393	21.2
1961	4 752 469	22.4	30 988	0.1	81 035	0.4	169 168	0.8	372 142	1.8	85 109	0.4	175 164	0.8	-	0.0	5 666 075	26.7
1962	3 630 764	15.6	40 643	0.2	116 097	0.5	232 304	1.0	349 992	1.5	62 526	0.3	191 384	0.8	-	0.0	4 623 710	19.9
1963	5 357 965	19.1	13 151	0.0	73 037	0.3	393 503	1.4	475 961	1.7	30 580	0.1	175 767	0.6	-	0.0	6 519 964	23.2
1964	7 527 695	21.1	12 662	0.0	68 230	0.2	295 867	0.8	417 937	1.2	28 605	0.1	223 083	0.6	-	0.0	8 574 079	24.0
1965	6 734 939	17.1	30 676	0.1	38 798	0.1	459 945	1.2	542 217	1.4	82 192	0.2	248 982	0.6	-	0.0	8 137 749	20.7
1966	8 631 879	19.3	34 921	0.1	113 629	0.3	299 747	0.7	633 794	1.4	70 528	0.2	317 839	0.7	-	0.0	10 102 337	22.6
1967	5 071 203	12.7	-	0.0	79 766	0.2	286 817	0.7	949 307	2.4	57 843	0.1	217 763	0.5	-	0.0	6 662 699	16.7
1968	4 427 054	10.2	8 809	0.0	52 569	0.1	196 329	0.5	418 365	1.0	66 625	0.2	114 196	0.3	-	0.0	5 283 947	12.1
1969	3 212 180	8.6	25 736	0.1	39 852	0.1	191 709	0.5	633 278	1.7	106 483	0.3	195 762	0.5	-	0.0	4 405 000	11.8
1970	5 886 419	12.7	40 463	0.1	47 040	0.1	293 471	0.6	2 611 839	5.6	47 445	0.1	275 483	0.6	-	0.0	9 202 160	19.8
1971	7 110 082	14.8	58 866	0.1	107 907	0.2	287 888	0.6	3 016 482	6.3	40 881	0.1	392 759	0.8	-	0.0	11 014 865	22.9
1972	7 507 597	15.4	32 778	0.1	93 112	0.2	260 542	0.5	3 172 149	6.5	37 096	0.1	312 577	0.6	-	0.0	11 415 851	23.5
1973	6 870 074	13.1	13 748	0.0	68 194	0.1	172 857	0.3	2 045 250	3.9	30 858	0.1	263 192	0.5	-	0.0	9 464 173	18.1
1974	6 181 090	15.4	71 726	0.2	78 830	0.2	85 014	0.2	1 178 540	2.9	6 821	0.0	189 306	0.5	-	0.0	7 791 327	19.5
1975	7 685 785	17.6	200 779	0.5	216 898	0.5	295 394	0.7	2 073 546	4.8	420	0.0	102 281	0.2	-	0.0	10 575 103	24.3
1976	6 928 464	14.0	294 477	0.6	121 036	0.2	497 836	1.0	2 347 252	4.8	16 084	0.0	109 833	0.2	-	0.0	10 314 982	20.9
1977	8 549 267	14.9	360 999	0.6	70 291	0.1	402 701	0.7	1 936 346	3.4	29 379	0.1	198 844	0.3	-	0.0	11 547 827	20.1
1978	8 519 386	15.0	627 718	1.1	82 298	0.1	144 629	0.3	2 262 597	4.0	49 374	0.1	232 556	0.4	-	0.0	11 918 558	20.9
1979	5 953 921	10.8	218 998	0.4	140 335	0.3	139 070	0.3	2 910 471	5.3	25 379	0.0	319 686	0.6	-	0.0	9 707 860	17.5
1980	10 187 369	20.6	1 073 549	2.2	363 647	0.7	264 121	0.5	1 394 588	2.8	54 259	0.1	250 637	0.5	79 005	0.2	13 667 175	27.6
1981	8 441 450	16.7	1 418 355	2.8	350 664	0.7	130 855	0.3	2 111 926	4.2	8 613	0.0	266 766	0.5	58 022	0.1	12 786 651	25.3
1982	11 024 842	25.7	812 687	1.9	259 610	0.6	142 992	0.3	2 849 224	6.7	65 253	0.2	249 093	0.6	2 531	0.0	15 406 232	36.0
1983	12 784 633	28.4	684 709	1.5	109 287	0.2	77 410	0.2	2 875 079	6.4	29 813	0.1	359 750	0.8	-	0.0	16 920 681	37.6
1984	12 813 292	27.0	516 774	1.1	7 257	0.0	55 578	0.1	1 788 891	3.8	72 408	0.1	227 519	0.5	7 056	0.0	15 488 775	32.6
1985	9 543 110	25.6	570 008	1.5	4 350	0.0	31 793	0.1	554 518	1.5	76 320	0.2	339 500	0.9	-	0.0	11 119 599	29.8
1986	8 845 790	23.5	358 788	1.0	32 164	0.1	68 198	0.2	1 579 297	4.2	148 087	0.4	370 568	1.0	-	0.0	11 402 892	30.3
1987	10 855 319	27.2	398 976	1.0	28 893	0.1	93 000	0.2	957 375	2.4	85 602	0.2	374 843	0.9	-	0.0	12 794 008	32.0
1988	8 531 550	21.0	210 549	0.5	5 900	0.0	32 221	0.1	515 792	1.3	118 464	0.3	258 288	0.6	-	0.0	9 672 764	23.8
1989	4 836 888	13.0	89 983	0.2	17 679	0.0	18 525	0.0	290 205	0.8	51 343	0.1	236 815	0.6	-	0.0	5 541 438	14.9
TOTAL	223 972 865	17.6	8 360 677	0.7	2 878 241	0.2	6 441 358	0.5	44 319 915	3.5	1 713 285	0.1	7 536 687	0.6	146 614	0.0	295 369 642	23.1

SELECTED MINING COMMODITIES
1959 –1989

HISTORICAL TABLE 24M

MONTREAL-LAKE ONTARIO SECTION

YEAR	COAL		COKE		IRON ORE		CLAY & BENTONITE		GRAVEL & SAND		STONE		SALT		SULPHUR		OTHER MINE	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	1 070 971	5.7	23 620	0.1	5 620 221	30.1	43 510	0.2	1 027	0.0	10 632	0.1	94 393	0.5	81 687	0.4	463 605	2.5
1960	925 752	5.0	82 254	0.4	3 914 894	21.2	55 432	0.3	3 662	0.0	16 934	0.1	110 961	0.6	65 992	0.4	699 477	3.8
1961	1 048 277	4.9	153 063	0.7	3 644 391	17.2	75 900	0.4	1 911	0.0	10 375	0.0	126 196	0.6	82 215	0.4	382 329	1.8
1962	1 075 566	4.6	192 371	0.8	5 456 524	23.5	84 567	0.4	523	0.0	10 232	0.0	166 030	0.7	59 426	0.3	384 619	1.7
1963	883 07[illegible]	3.1	206 730	0.7	7 401 968	26.4	116 735	0.4	-	0.0	3 476	0.0	195 105	0.7	67 572	0.2	476 385	1.7
1964	727 434	2.0	214 293	0.6	11 029 051	30.9	119 904	0.3	-	0.0	7 647	0.0	219 304	0.6	71 028	0.2	468 610	1.3
1965	946 228	2.4	166 958	0.4	11 588 329	29.4	167 500	0.4	11 846	0.0	3 492	0.0	320 126	0.8	-	0.0	646 097	1.6
1966	1 111 618	2.5	199 553	0.4	14 067 088	31.5	136 958	0.3	2 946	0.0	14 687	0.0	398 095	0.9	45	0.0	760 062	1.7
1967	1 030 029	2.6	215 092	0.5	14 879 992	37.3	166 914	0.4	-	0.0	17 604	0.0	441 992	1.1	21 882	0.1	731 972	1.8
1968	1 089 476	2.5	248 538	0.6	16 268 430	37.4	213 979	0.5	-	0.0	36 878	0.1	523 097	1.2	-	0.0	769 918	1.8
1969	587 671	1.6	325 264	0.9	10 568 053	28.4	215 517	0.6	12 558	0.0	24 655	0.1	351 215	0.9	-	0.0	931 176	2.5
1970	288 268	0.6	458 852	1.0	13 715 305	29.5	261 194	0.6	47	0.0	6 938	0.0	420 859	0.9	-	0.0	804 252	1.7
1971	299 510	0.6	473 499	1.0	12 181 176	25.3	272 835	0.6	16 193	0.0	25 017	0.1	462 775	1.0	-	0.0	918 820	1.9
1972	244 181	0.5	539 852	1.1	11 370 116	23.4	133 400	0.3	69	0.0	9 766	0.0	806 409	1.7	-	0.0	861 295	1.8
1973	251 895	0.5	739 416	1.4	14 235 151	27.2	175 136	0.3	-	0.0	27 899	0.1	819 829	1.6	-	0.0	1 601 056	3.1
1974	175 192	0.4	1 190 536	3.0	12 964 996	32.4	247 616	0.6	390	0.0	45 729	0.1	811 864	2.0	76 722	0.2	1 814 642	4.5
1975	398 575	0.9	832 835	1.9	13 159 321	30.2	157 803	0.4	12 689	0.0	70 047	0.2	779 557	1.8	31 576	0.1	1 088 123	2.5
1976	346 001	0.7	1 620 382	3.3	18 629 321	37.8	234 602	0.5	27 779	0.1	54 954	0.1	752 355	1.5	43 742	0.1	795 841	1.6
1977	215 969	0.4	2 026 004	3.5	20 205 283	35.2	313 204	0.5	28 839	0.1	98 396	0.2	783 679	1.4	14 309	0.0	1 348 125	2.3
1978	940 399	1.7	2 486 639	4.4	13 542 178	23.8	172 998	0.3	15 167	0.0	107 512	0.2	746 982	1.3	7 214	0.0	1 064 951	1.9
1979	501 910	0.9	2 318 491	4.2	14 817 154	26.8	261 667	0.5	30 694	0.1	373 875	0.7	833 813	1.5	152 891	0.3	1 113 905	2.0
1980	22[illegible] 660	0.5	1 401 282	2.8	11 005 222	22.3	276 158	0.6	37 479	0.1	180 462	0.4	782 430	1.6	157 181	0.3	825 321	1.7
1981	1 674 618	3.3	853 180	1.7	12 926 853	25.6	198 725	0.4	40 401	0.1	25 528	0.1	1 134 948	2.2	28 236	0.1	974 659	1.9
1982	1 153 657	2.7	680 806	1.6	7 430 414	17.4	142 492	0.3	36	0.0	36 228	0.1	714 901	1.7	3 013	0.0	601 223	1.4
1983	350 171	0.8	638 042	1.4	10 280 210	22.8	76 849	0.2	7 975	0.0	47 754	0.1	878 535	1.9	-	0.0	801 641	1.8
1984	452 898	1.0	793 112	1.7	11 421 521	24.0	157 206	0.3	6 992	0.0	117 233	0.2	818 931	1.7	-	0.0	1 034 178	2.2
1985	607 108	1.6	802 266	2.1	8 679 210	23.3	162 410	0.4	1	0.0	258 745	0.7	657 494	1.8	-	0.0	1 324 005	3.5
1986	609 619	1.6	867 412	2.3	8 026 080	21.4	161 366	0.4	16 009	0.0	272 148	0.7	874 520	2.3	-	0.0	1 426 783	3.8
1987	233 756	0.6	654 432	1.7	9 557 376	23.9	164 766	0.4	-	0.0	231 658	0.6	928 559	2.3	-	0.0	1 448 593	3.6
1988	712 945	1.8	1 466 718	3.6	10 810 682	26.7	240 823	0.6	-	0.0	432 411	1.1	1 027 602	2.5	-	0.0	1 528 939	3.8
1989	776 999	2.1	1 272 068	3.4	11 185 264	30.2	215 214	0.6	-	0.0	448 647	1.2	1 377 273	3.7	-	0.0	1 499 205	4.0
TOTAL	20 955 424	1.6	24 143 560	1.9	350 581 774	27.5	5 423 380	0.4	275 233	0.0	3 027 559	0.2	19 359 829	1.5	964 731	0.1	29 589 807	2.3

SELECTED PROCESSED COMMODITIES
1959–1989

HISTORICAL TABLE 25M

MONTREAL-LAKE ONTARIO SECTION

YEAR	GASOLINE		FUEL OIL		CHEMICALS		SODIUM PRODUCTS		PIG IRON		MANUFACTURED IRON & STEEL		CEMENT		SCRAP IRON & STEEL		OTHER PROCESSED	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	37 064	0.2	1 030 688	5.5	65 571	0.4	15 205	0.1	92 332	0.5	417 417	2.2	15 439	0.1	61 096	0.3	1 791 693	9.6
1960	33 697	0.2	1 068 389	5.8	62 623	0.3	14 214	0.1	40 685	0.2	738 355	4.0	16 299	0.1	510 981	2.8	1 641 920	8.9
1961	80 116	0.4	1 001 216	4.7	66 773	0.3	6 823	0.0	220 464	1.0	531 991	2.5	5 677	0.0	1 209 928	5.7	1 915 392	9.0
1962	63 915	0.3	1 124 869	4.8	91 185	0.4	19 381	0.1	144 569	0.6	756 994	3.3	6 115	0.0	217 817	0.9	2 009 344	8.7
1963	31 013	0.1	1 165 184	4.2	122 934	0.4	21 326	0.1	121 021	0.4	874 295	3.1	3 127	0.0	295 165	1.1	2 402 074	8.6
1964	105 520	0.3	1 367 898	3.8	183 063	0.5	43 224	0.1	234 233	0.7	1 233 107	3.5	16 023	0.0	405 464	1.1	2 484 454	7.0
1965	154 783	0.4	1 721 316	4.4	165 569	0.4	17 778	0.0	291 701	0.7	2 995 840	7.6	9 579	0.0	87 825	0.2	2 846 032	7.2
1966	162 804	0.4	1 891 905	4.2	233 549	0.5	35 817	0.1	323 553	0.7	2 781 194	6.2	20 538	0.0	145 046	0.3	3 009 131	6.7
1967	320 980	0.8	1 901 558	4.8	286 066	0.7	21 783	0.1	226 867	0.6	3 179 539	8.0	797	0.0	406 824	1.0	2 626 527	6.6
1968	331 870	0.8	1 932 069	4.4	217 259	0.5	13 043	0.0	235 248	0.5	4 977 778	11.4	46 730	0.1	395 848	0.9	2 752 475	6.3
1969	499 812	1.3	2 396 263	6.4	299 866	0.8	45 813	0.1	225 831	0.6	4 068 588	10.9	7 211	0.0	1 228 198	3.3	2 962 490	8.0
1970	520 833	1.1	2 919 702	6.3	262 467	0.6	51 498	0.1	280 685	0.6	4 031 795	8.7	35 710	0.1	894 943	1.9	2 537 609	5.5
1971	215 494	0.4	2 299 114	4.8	371 244	0.8	77 704	0.2	115 250	0.2	5 636 261	11.7	35 559	0.1	237 743	0.5	2 846 851	5.9
1972	308 382	0.6	2 929 356	6.0	382 252	0.8	99 911	0.2	165 028	0.3	5 210 502	10.7	15 862	0.0	378 967	0.8	3 069 564	6.3
1973	212 833	0.4	3 432 738	6.6	363 109	0.7	93 199	0.2	137 550	0.3	3 958 329	7.6	48 758	0.1	848 288	1.6	2 764 538	5.3
1974	114 182	0.3	1 813 742	4.5	287 296	0.7	65 892	0.2	122 672	0.3	3 270 724	8.2	32 911	0.1	124 057	0.3	1 867 901	4.7
1975	202 224	0.5	1 770 019	4.1	283 034	0.6	76 426	0.2	123 640	0.3	2 236 289	5.1	13 951	0.0	599 270	1.4	2 003 837	4.6
1976	175 848	0.4	1 360 776	2.8	361 359	0.7	34 200	0.1	124 920	0.3	3 026 246	6.1	36	0.0	429 760	0.9	2 220 249	4.5
1977	52 772	0.1	2 015 026	3.5	471 762	0.8	52 544	0.1	160 155	0.3	4 972 898	8.7	3 051	0.0	348 673	0.6	2 170 005	3.8
1978	108 984	0.2	1 887 976	3.3	573 432	1.0	177 670	0.3	242 424	0.4	3 588 819	6.3	23 008	0.0	639 829	1.1	2 389 227	4.2
1979	188 808	0.3	2 326 932	4.2	594 291	1.1	167 632	0.3	132 610	0.2	3 107 744	5.6	22 947	0.0	577 828	1.0	2 617 905	4.7
1980	223 186	0.5	1 563 431	3.2	552 747	1.1	201 246	0.4	202 783	0.4	2 084 713	4.2	93	0.0	760 238	1.5	1 797 601	3.6
1981	123 843	0.2	1 838 507	3.6	610 999	1.2	174 412	0.3	202 552	0.4	2 905 186	5.7	2 769	0.0	87 363	0.2	1 855 620	3.7
1982	158 771	0.4	1 002 035	2.3	722 466	1.7	161 978	0.4	152 712	0.4	2 790 012	6.5	3 449	0.0	457 226	1.1	1 929 307	4.5
1983	249 993	0.6	936 121	2.1	634 880	1.4	213 622	0.5	161 017	0.4	2 896 137	6.4	2 522	0.0	390 006	0.9	1 926 361	4.3
1984	237 388	0.5	745 378	1.6	748 700	1.6	99 951	0.2	243 817	0.5	4 453 231	9.4	10	0.0	303 619	0.6	2 065 803	4.3
1985	111 419	0.3	558 770	1.5	751 092	2.0	126 246	0.3	103 610	0.3	3 603 221	9.7	175 111	0.5	635 622	1.7	2 154 853	5.8
1986	206 107	0.5	641 156	1.7	869 268	2.3	171 615	0.5	96 925	0.3	3 548 802	9.4	152 616	0.4	740 276	2.0	2 335 794	6.2
1987	167 472	0.4	481 049	1.2	812 778	2.0	135 308	0.3	124 355	0.3	3 614 403	9.0	242 758	0.6	344 352	0.9	2 306 923	5.8
1988	248 120	0.6	879 438	2.2	1 036 759	2.6	125 032	0.3	93 248	0.2	4 316 733	10.6	32 101	0.1	369 397	0.9	1 587 662	3.9
1989	485 319	1.3	569 627	1.5	819 447	2.2	86 287	0.2	70 938	0.2	4 186 116	11.3	27 463	0.1	320 630	0.9	1 941 512	5.2
TOTAL	6 133 552	0.5	48 572 248	3.8	13 303 840	1.0	2 646 780	0.2	5 213 395	0.4	95 993 259	7.5	1 018 220	0.1	14 452 279	1.1	70 830 654	5.6

CARGO TONNES BY ORIGIN-DESTINATION
1959–1989

HISTORICAL TABLE 26M

MONTREAL-LAKE ONTARIO SECTION

	UPBOUND						DOWNBOUND						TOTAL
FROM:	CANADA		U.S.A.		OVERSEAS		CANADA			U.S.A.			
TO:	CANADA	U.S.A.	CANADA	U.S.A.	CANADA	U.S.A.	CANADA	U.S.A.	OVERSEAS	CANADA	U.S.A.	OVERSEAS	
1959	2 872 585	5 257 355	53 901	17 795	769 493	962 375	3 811 384	8 551	760 025	1 600 738	22 326	2 545 255	18 681 783
1960	1 890 965	4 145 845	44 431	2 010	1 065 103	818 198	3 991 026	6 056	1 258 370	1 608 494	40 977	3 553 761	18 425 236
1961	2 167 761	3 701 696	18 928	31 954	650 623	899 242	6 035 304	-	1 129 295	2 482 648	65 417	4 061 329	21 244 197
1962	2 100 579	5 806 311	53 132	30 933	822 758	1 055 999	4 945 703	6 252	1 058 181	2 713 238	86 073	4 538 963	23 218 122
1963	2 173 863	7 765 232	14 543	52 900	901 667	1 375 115	6 633 428	3 787	1 209 994	4 210 462	62 830	3 667 095	28 070 916
1964	2 103 964	11 695 053	20 772	49 296	1 077 290	1 860 353	8 924 108	9 712	1 217 299	3 545 733	68 511	5 088 459	35 660 550
1965	3 280 599	11 512 159	18 376	51 495	1 704 431	3 495 820	8 333 233	6 498	1 390 141	3 858 198	64 997	5 640 323	39 356 270
1966	4 886 026	13 098 928	22 413	62 132	1 593 947	3 718 092	10 531 886	3 354	1 244 617	3 163 431	49 598	6 303 841	44 678 265
1967	5 355 101	13 262 801	47 428	63 217	1 615 368	3 917 062	6 681 948	13 727	1 637 556	2 195 651	55 820	5 096 428	39 942 107
1968	5 836 125	14 412 576	20 864	70 052	1 408 890	5 818 068	5 822 799	6 553	1 083 434	3 452 401	56 757	5 514 480	43 502 999
1969	4 487 605	9 728 133	100 185	66 956	1 640 760	4 338 443	5 104 136	3 335	1 088 087	4 319 411	40 524	6 289 736	37 207 311
1970	5 482 804	11 837 049	72 533	46 433	1 327 218	4 131 746	9 900 659	9 854	1 532 617	6 022 787	64 436	5 993 298	46 421 434
1971	5 298 786	10 499 612	189 535	51 058	1 283 599	6 293 132	11 186 081	6 528	1 854 774	3 315 158	34 695	8 056 451	48 069 409
1972	4 712 628	10 595 652	139 145	66 106	1 923 223	5 682 245	11 602 385	7 352	2 180 772	2 949 490	32 612	8 784 819	48 676 429
1973	5 033 913	13 911 161	114 005	81 824	1 376 013	4 548 850	10 838 168	31 724	1 381 554	6 001 158	37 932	8 928 505	52 284 807
1974	4 283 693	11 644 802	73 294	95 384	824 263	3 948 976	9 089 431	51 250	1 457 179	4 261 952	4 727	4 314 028	40 048 979
1975	3 848 218	11 983 490	106 487	91 825	919 293	2 950 574	11 256 809	140 776	1 476 270	4 665 804	-	6 114 757	43 554 303
1976	3 699 634	17 036 438	80 545	90 425	997 698	4 238 374	10 903 073	53 764	1 788 140	4 174 199	11 523	6 274 626	49 348 439
1977	5 234 726	18 293 915	98 054	49 212	1 222 491	6 865 879	11 871 506	22 804	1 849 332	4 181 077	21 872	7 745 472	57 456 340
1978	4 317 126	12 587 394	253 149	77 899	1 295 778	6 322 693	12 542 555	55 705	2 139 969	5 921 936	94 270	11 334 206	56 942 680
1979	4 958 367	12 662 015	228 721	64 950	1 234 333	5 234 579	11 564 604	68 858	2 229 585	7 132 625	54 224	9 889 232	55 322 093
1980	4 544 613	7 623 360	93 414	50 178	845 800	1 768 250	14 479 550	111 743	3 935 984	8 712 657	134 505	7 154 055	49 454 109
1981	3 281 287	10 986 746	106 177	7 529	1 504 324	2 936 138	13 909 712	80 976	2 937 183	8 907 569	48 895	5 862 721	50 569 257
1982	2 649 751	5 232 453	93 208	519	919 504	2 254 463	16 203 160	185 270	3 732 135	5 630 625	-	5 914 226	42 815 314
1983	4 150 010	6 956 744	126 908	-	1 068 583	3 276 772	17 917 733	172 588	2 386 479	3 081 321	39 125	5 884 718	45 060 981
1984	5 268 388	6 974 055	130 955	-	1 499 551	4 763 734	16 216 426	437 642	2 162 544	3 536 465	-	6 515 696	47 505 456
1985	4 615 358	4 868 864	239 351	-	1 405 944	3 695 792	11 381 053	670 559	1 793 392	3 374 584	3 469	5 273 332	37 321 698
1986	4 963 950	4 047 190	263 938	2 287	1 699 793	3 669 027	12 050 180	388 870	2 042 659	2 742 024	4 588	5 707 302	37 581 808
1987	5 794 312	5 091 993	326 926	-	2 158 851	3 438 382	13 328 958	337 342	2 102 454	2 217 187	-	5 172 210	39 968 615
1988	6 580 551	5 403 754	225 923	-	2 821 854	3 622 178	10 966 981	170 534	2 144 375	3 869 269	-	4 752 250	40 557 669
1989	6 706 511	5 545 121	164 501	13 704	1 834 542	3 262 837	7 241 831	80 503	2 452 027	5 355 082	-	4 413 711	37 070 370
TOTAL	132 579 799	294 167 897	3 541 742	1 288 073	41 412 985	111 163 388	315 265 810	3 152 467	56 656 423	129 203 374	1 200 703	186 385 285	1 276 017 946

PART IV

St. Lawrence Seaway Toll Traffic

for the

Welland Canal Section

TRAFFIC BY TYPE OF VESSEL
1989

Table 1W

WELLAND CANAL SECTION

TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Cargo	655	726	1 381	21 246 395	9 288 220	10 060	-	13 421	2 229 142	11 540 843	28.9	10 950 886.90	35.1
Tug and Barge	17	48	65	192 625	59 408	-	-	-	920	60 328	0.2	191 906.89	0.6
Tanker	65	123	188	1 234 758	511 937	-	-	-	-	511 937	1.3	795 906.00	2.5
Non-Cargo	67	93	160	62 654	-	-	-	-	-	-	0.0	14 447.64	0.0
Total Up	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
Cargo	1 303	92	1 395	21 447 851	13 145 234	12 084 758	151 603	3 223	1 029 017	26 413 835	66.2	17 803 633.73	57.0
Tug and Barge	51	16	67	201 989	186 582	-	-	-	-	186 582	0.5	277 393.11	0.9
Tanker	152	37	189	1 238 843	1 195 925	-	-	-	-	1 195 925	3.0	1 166 455.66	3.7
Non-Cargo	67	86	153	110 323	-	-	-	-	-	-	0.0	17 626.10	0.1
Total Down	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
TOTALS:													
Cargo	1 958	818	2 776	42 694 246	22 433 454	12 094 818	151 603	16 644	3 258 159	37 954 678	95.1	28 754 520.63	92.1
Tug and Barge	68	64	132	394 614	245 990	-	-	-	920	246 910	0.6	469 300.00	1.5
Tanker	217	160	377	2 473 601	1 707 862	-	-	-	-	1 707 862	4.3	1 962 361.66	6.3
Non-Cargo	134	179	313	172 977	-	-	-	-	-	-	0.0	32 073.74	0.1
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY ORIGIN OF CARGO AND TYPE OF VESSEL
1989

Table 2W

WELLAND CANAL SECTION

ORIGIN OF CARGO AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
CANADA:													
Cargo	376	590	966	15 293 415	8 004 686	-	-	-	2 562	8 007 248	20.1	7 069 162.32	22.6
Tug and Barge	16	46	62	184 834	59 091	-	-	-	920	60 011	0.2	183 910.40	0.6
Tanker	49	80	129	752 092	360 665	-	-	-	-	360 665	0.9	544 576.26	1.7
Non-Cargo	67	76	143	46 410	-	-	-	-	-	-	0.0	11 792.69	0.0
Total Canada	508	792	1 300	16 276 751	8 424 442	-	-	-	3 482	8 427 924	21.1	7 809 441.67	25.0
U.S.A.:													
Cargo	5	12	17	178 067	32 643	-	-	-	-	32 643	0.1	74 070.77	0.2
Tug and Barge	1	2	3	7 791	317	-	-	-	-	317	0.0	7 996.49	0.0
Tanker	1	22	23	101 772	20 093	-	-	-	-	20 093	0.1	65 432.64	0.2
Non-Cargo	-	16	16	14 899	-	-	-	-	-	-	0.0	2 507.00	0.0
Total U.S.A.	7	52	59	302 529	53 053	-	-	-	-	53 053	0.1	150 006.90	0.5
FOREIGN:													
Cargo	274	124	398	5 774 913	1 250 891	10 060	-	13 421	2 226 580	3 500 952	8.8	3 807 653.81	12.2
Tug and Barge	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Tanker	15	21	36	380 894	131 179	-	-	-	-	131 179	0.3	185 897.10	0.6
Non-Cargo	-	1	1	1 345	-	-	-	-	-	-	0.0	147.95	0.0
Total Foreign	289	146	435	6 157 152	1 382 070	10 060	-	13 421	2 226 580	3 632 131	9.1	3 993 698.86	12.8
Total Up	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
CANADA:													
Cargo	402	19	421	6 498 096	2 502 238	6 049 651	13 799	-	253 209	8 818 897	22.1	5 628 676.77	18.0
Tug and Barge	17	2	19	61 395	70 644	-	-	-	-	70 644	0.2	86 951.05	0.3
Tanker	133	17	150	943 072	1 139 994	-	-	-	-	1 139 994	2.9	975 110.41	3.1
Non-Cargo	67	63	130	73 206	-	-	-	-	-	-	0.0	12 618.28	0.0
Total Canada	619	101	720	7 575 769	3 712 876	6 049 651	13 799	-	253 209	10 029 535	25.1	6 703 356.51	21.5
U.S.A.:													
Cargo	901	73	974	14 949 755	10 642 996	6 035 107	137 804	3 223	775 808	17 594 938	44.1	12 174 956.96	39.0
Tug and Barge	34	14	48	140 594	115 938	-	-	-	-	115 938	0.3	190 442.06	0.6
Tanker	19	20	39	295 771	55 931	-	-	-	-	55 931	0.1	191 345.25	0.6
Non-Cargo	-	23	23	37 117	-	-	-	-	-	-	0.0	5 007.82	0.0
Total U.S.A.	954	130	1 084	15 423 237	10 814 865	6 035 107	137 804	3 223	775 808	17 766 807	44.5	12 561 752.09	40.2
Total Down	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
TOTALS:													
CANADA:	1 127	893	2 020	23 852 520	12 137 318	6 049 651	13 799	-	256 691	18 457 459	46.2	14 512 798.18	46.5
U.S.A.:	961	182	1 143	15 725 766	10 867 918	6 035 107	137 804	3 223	775 808	17 819 860	44.7	12 711 758.99	40.7
FOREIGN:	289	146	435	6 157 152	1 382 070	10 060	-	13 421	2 226 580	3 632 131	9.1	3 993 698.86	12.8
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY CLASS AND TYPE OF VESSEL
1989

Table 3W

WELLAND CANAL SECTION

CLASS AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
OCEAN:													
Cargo	276	156	432	6 177 961	1 282 941	10 060	-	13 421	2 223 953	3 530 375	8.8	3 929 324.84	12.6
Tanker	18	22	40	425 036	159 888	-	-	-	-	159 888	0.4	213 984.68	0.7
Total Ocean	294	178	472	6 602 997	1 442 829	10 060	-	13 421	2 223 953	3 690 263	9.2	4 143 309.52	13.3
LAKER:													
Cargo	379	570	949	15 068 434	8 005 279	-	-	-	5 189	8 010 468	20.1	7 021 562.06	22.5
Tug and Barge	17	47	64	189 368	59 408	-	-	-	920	60 328	0.2	189 468.62	0.6
Tanker	47	101	148	809 722	352 049	-	-	-	-	352 049	0.9	581 921.32	1.9
Total Laker	443	718	1 161	16 067 524	8 416 736	-	-	-	6 109	8 422 845	21.1	7 792 952.00	25.0
ALL OTHER:	67	94	161	65 911	-	-	-	-	-	-	0.0	16 885.91	0.1
Total Upbound	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
OCEAN:													
Cargo	389	41	430	6 154 767	1 665 679	2 917 827	151 603	3 223	1 029 017	5 767 349	14.5	4 614 469.55	14.8
Tanker	35	5	40	425 036	326 615	-	-	-	-	326 615	0.8	300 264.56	1.0
Total Ocean	424	46	470	6 579 803	1 992 294	2 917 827	151 603	3 223	1 029 017	6 093 964	15.3	4 914 734.11	15.7
LAKER:													
Cargo	914	51	965	15 293 084	11 479 555	9 166 931	-	-	-	20 646 486	51.7	13 189 164.18	42.2
Tug and Barge	50	16	66	198 732	181 985	-	-	-	-	181 985	0.5	272 172.16	0.9
Tanker	117	32	149	813 807	869 310	-	-	-	-	869 310	2.2	866 191.10	2.8
Total Laker	1 081	99	1 180	16 305 623	12 530 850	9 166 931	-	-	-	21 697 781	54.4	14 327 527.44	45.9
ALL OTHER:	68	86	154	113 580	4 597	-	-	-	-	4 597	0.0	22 847.05	0.1
Total Downbound	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
TOTALS:													
OCEAN:													
Cargo	665	197	862	12 332 728	2 948 620	2 927 887	151 603	16 644	3 252 970	9 297 724	23.3	8 543 794.39	27.4
Tanker	53	27	80	850 072	486 503	-	-	-	-	486 503	1.2	514 249.24	1.6
Total Ocean	718	224	942	13 182 800	3 435 123	2 927 887	151 603	16 644	3 252 970	9 784 227	24.5	9 058 043.63	29.0
LAKER:													
Cargo	1 293	621	1 914	30 361 518	19 484 834	9 166 931	-	-	5 189	28 656 954	71.8	20 210 726.24	64.7
Tug and Barge	67	63	130	388 100	241 393	-	-	-	920	242 313	0.6	461 640.78	1.5
Tanker	164	133	297	1 623 529	1 221 359	-	-	-	-	1 221 359	3.1	1 448 112.42	4.6
Total Laker	1 524	817	2 341	32 373 147	20 947 586	9 166 931	-	-	6 109	30 120 626	75.5	22 120 479.44	70.9
ALL OTHER:	135	180	315	179 491	4 597	-	-	-	-	4 597	0.0	39 732.96	0.1
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY TYPE OF TRANSIT AND TYPE OF VESSEL
1989

Table 4W

WELLAND CANAL SECTION

TYPE OF TRANSIT AND TYPE OF VESSEL	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
OVERSEAS:													
Cargo	274	124	398	5 774 913	1 260 208	10 060	-	13 421	2 226 591	3 510 280	8.8	3 807 653.81	12.2
Tanker	15	21	36	380 894	131 179	-	-	-	-	131 179	0.3	185 897.10	0.6
Total Overseas	289	145	434	6 155 807	1 391 387	10 060	-	13 421	2 226 591	3 641 459	9.1	3 993 550.91	12.8
INLAND:													
Cargo	377	585	962	15 150 225	7 955 162	-	-	-	2 551	7 957 713	19.9	7 028 304.82	22.5
Tug and Barge	16	47	63	188 566	59 091	-	-	-	920	60 011	0.2	186 400.92	0.6
Tanker	48	97	145	804 637	356 151	-	-	-	-	356 151	0.9	577 686.85	1.9
Total Inland	441	729	1 170	16 143 428	8 370 404	-	-	-	3 471	8 373 875	21.0	7 792 392.59	25.0
COASTAL:													
Cargo	4	17	21	321 257	72 850	-	-	-	-	72 850	0.2	114 928.27	0.4
Tug and Barge	1	1	2	4 059	317	-	-	-	-	317	0.0	5 505.97	0.0
Tanker	2	5	7	49 227	24 607	-	-	-	-	24 607	0.1	32 322.05	0.1
Total Coastal	7	23	30	374 543	97 774	-	-	-	-	97 774	0.2	152 756.29	0.5
NON-CARGO:													
Tug	-	54	54	6 438	-	-	-	-	-	-	0.0	3 874.00	0.0
All Other	67	39	106	56 216	-	-	-	-	-	-	0.0	10 573.64	0.0
Total Non-Cargo	67	93	160	62 654	-	-	-	-	-	-	0.0	14 447.64	0.0
Total Upbound	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
OVERSEAS:													
Cargo	386	21	407	5 888 844	1 648 020	2 942 211	133 968	3 223	1 023 235	5 750 657	14.4	4 534 620.53	14.5
Tug and Barge	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Tanker	31	2	33	343 494	277 834	-	-	-	-	277 834	0.7	252 231.30	0.8
Total Overseas	417	23	440	6 232 338	1 925 854	2 942 211	133 968	3 223	1 023 235	6 028 491	15.1	4 786 851.83	15.3
INLAND:													
Cargo	896	64	960	15 188 206	11 435 393	8 862 266	-	-	5 782	20 303 441	50.9	13 003 500.21	41.7
Tug and Barge	49	16	65	197 918	181 940	-	-	-	-	181 940	0.5	269 587.66	0.9
Tanker	107	32	139	765 340	795 514	-	-	-	-	795 514	2.0	799 989.49	2.6
Total Inland	1 052	112	1 164	16 151 464	12 412 847	8 862 266	-	-	5 782	21 280 895	53.3	14 073 077.36	45.1
COASTAL:													
Cargo	21	7	28	370 801	61 821	280 281	17 635	-	-	359 737	0.9	265 512.99	0.9
Tug and Barge	2	-	2	4 071	4 642	-	-	-	-	4 642	0.0	7 805.45	0.0
Tanker	14	3	17	130 009	122 577	-	-	-	-	122 577	0.3	114 234.87	0.4
Total Coastal	37	10	47	504 881	189 040	280 281	17 635	-	-	486 956	1.2	387 553.31	1.2
NON-CARGO:													
Tug	-	40	40	5 640	-	-	-	-	-	-	0.0	2 197.00	0.0
All Other	67	46	113	104 683	-	-	-	-	-	-	0.0	15 429.10	0.0
Total Non-Cargo	67	86	153	110 323	-	-	-	-	-	-	0.0	17 626.10	0.1
Total Downbound	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY ORIGIN AND DESTINATION
1989

Table 5W

WELLAND CANAL SECTION

ORIGIN AND DESTINATION (1)	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Canada - Canada	151	336	487	4 283 374	1 294 121	-	-	-	-	1 294 121	3.2	1 798 505.31	5.8
Canada - U.S.A.	357	456	813	11 993 377	7 130 321	-	-	-	3 482	7 133 803	17.9	6 010 936.36	19.3
Foreign - Canada	25	41	66	877 110	372 802	-	-	-	2 357	375 159	0.9	386 984.30	1.2
Total Canada	533	833	1 366	17 153 861	8 797 244	-	-	-	5 839	8 803 083	22.1	8 196 425.97	26.3
U.S.A. - Canada	-	28	28	135 937	7 280	-	-	-	-	7 280	0.0	70 802.64	0.2
U.S.A. - U.S.A.	7	24	31	166 592	4 773	-	-	-	-	45 773	0.1	79 204.26	0.3
Foreign - U.S.A.	264	105	369	5 280 042	1 009 268	10 060	-	13 421	2 224 223	3 256 972	8.2	3 606 714.56	11.6
Total U.S.A.	271	157	428	5 582 571	1 062 321	10 060	-	13 421	2 224 223	3 310 025	8.3	3 756 721.46	12.0
Total Upbound	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
Canada - Canada	487	95	582	5 884 636	2 670 242	5 439 797	-	-	-	8 110 039	20.3	5 345 613.69	17.1
Canada - U.S.A.	35	2	37	258 870	278 393	-	-	-	-	278 393	0.7	265 137.71	0.8
Canada - Foreign	97	4	101	1 432 263	764 241	609 854	13 799	-	253 209	1 641 103	4.1	1 092 605.11	3.5
Total Canada	619	101	720	7 575 769	3 712 876	6 049 651	13 799	-	253 209	10 029 535	25.1	6 703 356.51	21.5
U.S.A. - Canada	620	89	709	10 404 285	9 549 485	3 720 319	-	-	7 358	13 277 162	33.3	8 738 938.84	28.0
U.S.A. - U.S.A.	14	22	36	218 877	91 972	-	-	-	-	91 972	0.2	128 566.53	0.4
U.S.A. - Foreign	320	19	339	4 800 075	1 173 408	2 314 788	137 804	3 223	768 450	4 397 673	11.0	3 694 246.72	11.8
Total U.S.A.	954	130	1 084	15 423 237	10 814 865	6 035 107	137 804	3 223	775 808	17 766 807	44.5	12 561 752.09	40.2
Total Downbound	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
TOTALS:													
Canada - Canada	638	431	1 069	10 168 010	3 964 363	5 439 797	-	-	-	9 404 160	23.6	7 144 119.00	22.9
Canada - U.S.A.	392	458	850	12 252 247	7 408 714	-	-	-	3 482	7 412 196	18.6	6 276 074.07	20.1
Canada - Foreign	97	4	101	1 432 263	764 241	609 854	13 799	-	253 209	1 641 103	4.1	1 092 605.11	3.5
Foreign - Canada	25	41	66	877 110	372 802	-	-	-	2 357	375 159	0.9	386 984.30	1.2
Total Canada	1 152	934	2 086	24 729 630	12 510 120	6 049 651	13 799	-	259 048	18 832 618	47.2	14 899 782.48	47.7
U.S.A. - Canada	620	117	737	10 540 222	9 556 765	3 720 319	-	-	7 358	13 284 442	33.3	8 809 741.48	28.2
U.S.A. - U.S.A.	21	46	67	385 469	137 745	-	-	-	-	137 745	0.3	207 770.79	0.7
U.S.A. - Foreign	320	19	339	4 800 075	1 173 408	2 314 788	137 804	3 223	768 450	4 397 673	11.0	3 694 246.72	11.8
Foreign - U.S.A.	264	105	369	5 280 042	1 009 268	10 060	-	13 421	2 224 223	3 256 972	8.2	3 606 714.56	11.6
Total U.S.A.	1 225	287	1 512	21 005 808	11 877 186	6 045 167	137 804	16 644	3 000 031	21 076 832	52.8	16 318 473.55	52.3
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

(1) Origin and destination means country in which transit originated and terminated.

TRAFFIC BY TYPE OF CARGO
1989

Table 6W

WELLAND CANAL SECTION

TYPE OF CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
Bulk	545	-	545	7 410 295	9 740 680	-	-	-	-	9 740 680	24.4	6 279 499.36	20.1
Grains	1	-	1	13 867	-	10 060	-	-	-	10 060	0.0	8 791.77	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	142	-	142	1 996 641	-	-	-	-	1 642 016	1 642 016	4.1	1 788 741.87	5.7
Mixed	49	-	49	812 759	118 885	-	-	13 421	588 046	720 352	1.8	703 330.29	2.3
Passengers	67	-	67	16 884	-	-	-	-	-	-	0.0	4 649.00	0.0
In Ballast - Overseas	-	145	145	1 957 978	-	-	-	-	-	-	0.0	517 615.58	1.7
- Inland	-	729	729	10 184 393	-	-	-	-	-	-	0.0	2 559 301.97	8.2
- Coastal	-	23	23	297 845	-	-	-	-	-	-	0.0	81 418.95	0.3
- Non-Cargo	-	93	93	45 770	-	-	-	-	-	-	0.0	9 798.64	0.0
Total Upbound	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
Bulk	826	-	826	11 181 018	14 377 428	-	-	-	-	14 377 428	36.0	9 820 544.07	31.5
Grains	475	-	475	7 407 141	-	10 147 125	-	-	-	10 147 125	25.4	6 476 373.10	20.7
Government Aid	8	-	8	85 245	-	-	83 074	-	-	83 074	0.2	32 096.95	0.1
Containers	1	-	1	4 997	-	-	-	1 803	-	1 803	0.0	4 182.99	0.0
General	79	-	79	1 071 512	-	-	-	-	963 488	963 488	2.4	1 025 891.74	3.3
Mixed	117	-	117	1 807 524	150 313	1 937 633	68 529	1 420	65 529	2 223 424	5.6	1 497 026.27	4.8
Passengers	67	-	67	16 884	-	-	-	-	-	-	0.0	4 702.23	0.0
In Ballast - Overseas	-	23	23	282 803	-	-	-	-	-	-	0.0	78 598.47	0.3
- Inland	-	112	112	937 509	-	-	-	-	-	-	0.0	279 766.17	0.9
- Coastal	-	10	10	110 934	-	-	-	-	-	-	0.0	33 002.74	0.1
- Non-Cargo	-	86	86	93 439	-	-	-	-	-	-	0.0	12 923.87	0.0
Total Downbound	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
TOTALS:													
Bulk	1 371	-	1 371	18 591 313	24 118 108	-	-	-	-	24 118 108	60.4	16 100 043.43	51.6
Grains	476	-	476	7 421 008	-	10 157 185	-	-	-	10 157 185	25.5	6 485 164.87	20.8
Government Aid	8	-	8	85 245	-	-	83 074	-	-	83 074	0.2	32 096.95	0.1
Containers	1	-	1	4 997	-	-	-	1 803	-	1 803	0.0	4 182.99	0.0
General	221	-	221	3 068 153	-	-	-	-	2 605 504	2 605 504	6.5	2 814 633.61	9.0
Mixed	166	-	166	2 620 283	269 198	1 937 633	68 529	14 841	653 575	2 943 776	7.4	2 200 356.56	7.0
Passengers	134	-	134	33 768	-	-	-	-	-	-	0.0	9 351.23	0.0
In Ballast - Overseas	-	168	168	2 240 781	-	-	-	-	-	-	0.0	596 214.05	1.9
- Inland	-	841	841	11 121 902	-	-	-	-	-	-	0.0	2 839 068.14	9.1
- Coastal	-	33	33	408 779	-	-	-	-	-	-	0.0	114 421.69	0.4
- Non-Cargo	-	179	179	139 209	-	-	-	-	-	-	0.0	22 722.51	0.1
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY TYPE OF TRANSIT AND CARGO
1989

UPBOUND

Table 7W Part A

WELLAND CANAL SECTION

TYPE OF TRANSIT AND CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
OVERSEAS:													
Bulk	100	-	100	1 380 254	1 272 502	-	-	-	-	1 272 502	3.2	986 681.93	3.2
Grains	1	-	1	13 867	-	10 060	-	-	-	10 060	0.0	8 791.77	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	139	-	139	1 990 949	-	-	-	-	-	-	0.0	0.00	0.0
Mixed	49	-	49	812 759	118 885	-	-	-	1 638 545	1 638 545	4.1	1 777 131.34	5.7
In Ballast	-	145	145	1 957 978	-	-	-	13 421	588 046	720 352	1.8	703 330.29	2.3
Total Overseas	289	145	434	6 155 807	1 391 387	10 060	-	13 421	2 226 591	3 641 459	9.1	3 993 550.91	12.8
INLAND:													
Bulk	438	-	438	5 953 343	8 370 404	-	-	-	-	8 370 404	21.0	5 221 480.09	16.7
Grains	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	3	-	3	5 692	-	-	-	-	3 471	3 471	0.0	11 610.53	0.0
Mixed	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
In Ballast	-	729	729	10 184 393	-	-	-	-	-	-	0.0	2 559 301.97	8.2
Total Inland	441	729	1 170	16 143 428	8 370 404	-	-	-	3 471	8 373 675	21.0	7 792 392.59	25.0
COASTAL:													
Bulk	7	-	7	76 698	97 774	-	-	-	-	97 774	0.2	71 337.34	0.2
Grains	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Mixed	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
In Ballast	-	23	23	297 845	-	-	-	-	-	-	0.0	81 418.95	0.3
Total Coastal	7	23	30	374 543	97 774	-	-	-	-	97 774	0.2	152 756.29	0.5
NON-CARGO:	67	93	160	62 654	-	-	-	-	-	-	0.0	14 447.64	0.0
Total Upbound	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3

TRAFFIC BY TYPE OF TRANSIT AND CARGO
1989

DOWNBOUND

Table 7W Part B

WELLAND CANAL SECTION

TYPE OF TRANSIT AND CARGO	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
OVERSEAS:													
Bulk	149	-	149	1 777 144	1 809 777	-	-	-	-	1 809 777	4.5	1 414 947.72	4.5
Grains	122	-	122	2 085 004	-	2 205 399	-	-	-	2 205 399	5.5	1 546 206.00	5.0
Government Aid	7	-	7	70 463	-	-	65 439	-	-	65 439	0.2	27 630.93	0.1
Containers	1	-	1	4 997	-	-	-	1 803	-	1 803	0.0	4 182.99	0.0
General	76	-	76	1 062 662	-	-	-	-	957 706	957 706	2.4	1 012 293.02	3.2
Mixed	62	-	62	949 265	116 077	736 812	68 529	1 420	65 529	988 367	2.5	702 992.70	2.3
In Ballast	-	23	23	282 803	-	-	-	-	-	-	0.0	78 598.47	0.3
Total Overseas	417	23	440	6 232 338	1 925 854	2 942 211	133 968	3 223	1 023 235	6 028 491	15.1	4 786 851.83	15.3
INLAND:													
Bulk	657	-	657	9 241 048	12 378 611	-	-	-	-	12 378 611	31.0	8 248 072.73	26.4
Grains	345	-	345	5 202 418	-	7 787 023	-	-	-	7 787 023	19.5	4 826 208.69	15.5
Government Aid	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	3	-	3	8 850	-	-	-	-	5 782	5 782	0.0	13 598.72	0.0
Mixed	47	-	47	761 639	34 236	1 075 243	-	-	-	1 109 479	2.8	705 431.05	2.3
In Ballast	-	112	112	937 509	-	-	-	-	-	-	0.0	279 766.17	0.9
Total Inland	1 052	112	1 164	16 151 464	12 412 847	8 862 266	-	-	5 782	21 280 895	53.3	14 073 077.36	45.1
COASTAL:													
Bulk	20	-	20	162 826	189 040	-	-	-	-	189 040	0.5	157 523.62	0.5
Grains	8	-	8	119 719	-	154 703	-	-	-	154 703	0.4	103 958.41	0.3
Government Aid	1	-	1	14 782	-	-	17 635	-	-	17 635	0.0	4 466.02	0.0
Containers	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
General	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Mixed	8	-	8	96 620	-	125 578	-	-	-	125 578	0.3	88 602.52	0.3
In Ballast	-	10	10	110 934	-	-	-	-	-	-	0.0	33 002.74	0.1
Total Coastal	37	10	47	504 881	189 040	280 281	17 635	-	-	486 956	1.2	387 553.31	1.2
NON-CARGO:	67	86	153	110 323	-	-	-	-	-	-	0.0	17 626.10	0.1
Total Downbound	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY COUNTRY OF REGISTRY
1989

Table 8W

WELLAND CANAL SECTION

COUNTRY OF REGISTRY	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
Canada	1 559	867	2 426	31 342 730	20 197 220	9 055 756	-	-	13 049	29 266 025	73.3	21 502 979.62	68.9
United States	100	125	225	1 245 158	669 853	139 996	56 749	89	1 845	868 532	2.2	638 035.63	2.0
England	18	2	20	412 988	59 681	215 298	-	-	111 765	386 744	1.0	301 052.59	1.0
Baltic Countries	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Belgium	9	1	10	216 610	151 240	49 962	-	966	23 429	225 597	0.6	157 055.61	0.5
Denmark	3	1	4	68 644	25 682	19 237	-	-	-	44 919	0.1	37 915.20	0.1
Norway	23	11	34	482 996	102 159	16 205	-	210	173 635	292 209	0.7	316 782.97	1.0
Sweden	8	-	8	44 868	26 079	4 133	-	-	30 428	60 640	0.2	62 552.64	0.2
Finland	4	-	4	49 560	10 112	-	-	-	12 399	22 511	0.1	30 064.17	0.1
France	7	3	10	138 786	-	72 773	-	-	33 486	106 259	0.3	93 021.64	0.3
West Germany	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Greece	41	15	56	827 814	214 158	161 856	-	630	197 950	574 594	1.4	544 967.40	1.7
Italy	1	1	2	12 704	-	-	-	-	3 135	3 135	0.0	8 543.29	0.0
Poland	56	16	72	1 176 952	136 041	554 452	-	-	236 836	927 329	2.3	793 755.20	2.5
Russia	16	6	22	219 188	-	-	-	209	55 094	55 303	0.1	121 239.38	0.4
Spain	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Yugoslavia	58	10	68	1 287 761	374 147	452 109	-	-	189 271	1 015 527	2.5	824 429.94	2.6
Iceland	8	2	10	45 904	48 730	-	-	-	-	48 730	0.1	53 240.64	0.2
Cuba	1	1	2	21 144	-	10 512	-	-	-	10 512	0.0	11 871.12	0.0
Panama	94	32	126	1 608 848	474 890	251 346	8 337	41	477 017	1 211 631	3.0	1 166 184.49	3.7
West Indies	4	2	6	22 934	-	-	-	1 803	1 759	3 562	0.0	20 084.95	0.1
British W. Indies and Bermuda	51	25	76	729 626	224 445	89 506	26 395	-	184 989	525 335	1.3	545 100.27	1.7
Central America	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Brazil	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Venezuela	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Peru	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
China	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
India	28	4	32	533 232	75 350	138 624	-	-	241 035	455 009	1.1	411 778.93	1.3
Japan	13	3	16	281 744	102 870	45 927	-	302	73 197	222 296	0.6	190 610.29	0.6
Middle East	85	31	116	1 766 260	292 900	498 851	31 369	6 568	468 641	1 298 329	3.3	1 182 685.24	3.8
Israel	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Turkey	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Other Asia	76	19	95	1 044 501	348 747	74 677	5 268	780	321 674	751 146	1.9	780 586.98	2.5
Liberia	88	28	116	1 731 678	795 728	129 117	13 799	3 721	359 836	1 302 201	3.3	1 161 184.58	3.7
Algeria	4	2	6	23 994	-	-	-	1 325	6 088	7 413	0.0	23 064.82	0.1
French Africa	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Other	22	14	36	398 814	57 274	114 481	9 686	-	42 521	223 962	0.6	239 468.44	0.8
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY CLASSIFICATION AND TYPE OF CARGO
1989

Table 9W — WELLAND CANAL SECTION

COMMODITY	CARGO TONNES						% OF
	Bulk	Grains	Govt. Aid	Containers	General	Total	TOTAL
Wheat	-	7 235 994	39 521	-	-	7 275 515	18.2
Corn	-	2 287 454	-	-	-	2 287 454	5.7
Rye	-	25 383	-	-	-	25 383	0.1
Oats	-	18 525	-	-	-	18 525	0.0
Barley	-	1 232 637	-	-	-	1 232 637	3.1
Flour, Wheat	-	-	-	-	-	-	0.0
Flour, Edible, Other	-	-	18 942	-	-	18 942	0.0
Soybeans	-	738 445	-	-	-	738 445	1.9
Soybean Oil Cake and Meal	-	-	-	-	-	-	0.0
Beans and Peas	-	103 624	5 616	-	-	109 240	0.3
Malt	-	-	-	-	-	-	0.0
Flaxseed	-	236 815	-	-	-	236 815	0.6
Sunflower Seeds	-	10 060	-	-	-	10 060	0.0
Other Agricultural Products	81 959	205 881	42 547	65	-	330 452	0.8
Total Agricultural Products	81 959	12 094 818	106 626	65	-	12 283 468	30.8
Packing House Products, Edible	-	-	-	-	-	-	0.0
Hides, Skins and Pelts	-	-	-	-	-	-	0.0
Other Animal Products	35 405	-	-	151	-	35 556	0.1
Total Animal Products	35 405	-	-	151	-	35 556	0.1
Bituminous coal	6 321 198	-	-	-	-	6 321 198	15.8
Coke	1 412 270	-	-	-	-	1 412 270	3.5
Iron Ore	7 293 840	-	-	-	-	7 293 840	18.3
Aluminum Ore and Concentrates	203 711	-	-	-	-	203 711	0.5
Clay and Bentonite	215 214	-	-	-	-	215 214	0.5
Gravel and Sand	241 749	-	-	-	-	241 749	0.6
Stone, Ground or Crushed	1 187 148	-	-	-	-	1 187 148	3.0
Stone, Rough	-	-	-	17	96	113	0.0
Petroleum, Crude	-	-	-	-	-	-	0.0
Salt	2 176 005	-	-	-	-	2 176 005	5.5
Phosphate Rock	-	-	-	-	-	-	0.0
Sulphur	-	-	-	-	-	-	0.0
Other Mine Products	1 025 981	-	-	-	142	1 026 123	2.6
Total Mine Products	20 077 116	-	-	17	238	20 077 371	50.3
Pulpwood	-	-	-	-	-	-	0.0
Other Forest Products	35 119	-	-	40	-	35 159	0.1
Total Forest Products	35 119	-	-	40	-	35 159	0.1
Gasoline	275 681	-	-	-	-	275 681	0.7
Fuel Oil	637 605	-	-	-	-	637 605	1.6
Lubricating Oils and Grease	22 531	-	-	-	-	22 531	0.1
Petroleum Products, Other	155 894	-	-	-	-	155 894	0.4
Rubber, Crude, Natural, Synthetic	-	-	-	-	-	-	0.0
Chemicals	863 737	-	-	659	225	864 621	2.2
Sodium Products	34 511	-	-	309	-	34 820	0.1
Tar, Pitch and Creosote	32 014	-	-	-	21	32 035	0.1
Pig Iron	65 164	-	-	-	-	65 164	0.2
Iron and Steel, Bars, Rods, Slabs	3 742	-	-	-	301 143	304 885	0.8
Iron and Steel, Nails and Wire	-	-	-	54	4 941	4 995	0.0
Iron and Steel, Manufactured	2 729	-	-	379	2 779 781	2 782 889	7.0
Machinery and Machines	362	-	-	5 285	34 593	40 240	0.1
Cement	367 748	-	-	-	-	367 748	0.9
Woodpulp	94 985	-	-	-	-	94 985	0.2
Newsprint	-	-	-	-	-	-	0.0
Syrup and Molasses	-	-	-	-	-	-	0.0
Sugar	1 610	-	-	-	-	1 610	0.0
Food Products	-	-	19	961	-	980	0.0
Scrap Iron and Steel	313 738	-	-	-	-	313 738	0.8
Other Manufactures and Misc. (1)	1 285 656	-	44 958	8 724	138 137	1 477 475	3.7
Total Manufactures and Misc.	4 157 707	-	44 977	16 371	3 258 841	7 477 896	18.7
GRAND TOTAL	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0

(1) Includes Unclassified Cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
1989

Table 10W Part A

WELLAND CANAL SECTION

NO.	COMMODITY From: / To:	UPBOUND TONNES						TOTAL UPBOUND	% OF TOTAL UPBOUND
		Canada		United States		Foreign			
		Canada	United States	Canada	United States	Canada	United States		
1	Wheat	-	-	-	-	-	-	-	0.0
2	Corn	-	-	-	-	-	-	-	0.0
3	Rye	-	-	-	-	-	-	-	0.0
4	Oats	-	-	-	-	-	-	-	0.0
5	Barley	-	-	-	-	-	-	-	0.0
6	Flour, Wheat	-	-	-	-	-	-	-	0.0
7	Flour, Edible, Other	-	-	-	-	-	-	-	0.0
8	Soybeans	-	-	-	-	-	-	-	0.0
9	Soybean Oil Cake and Meal	-	-	-	-	-	-	-	0.0
10	Beans and Peas	-	-	-	-	-	-	-	0.0
11	Malt	-	-	-	-	-	-	-	0.0
12	Flaxseed	-	-	-	-	-	-	-	0.0
13	Sunflower Seeds	-	-	-	-	-	10 060	10 060	0.1
14	Other Agricultural Products	-	-	-	-	-	65	65	0.0
15	Total Agricultural Products	-	-	-	-	-	10 125	10 125	0.1
16	Packing House Products, Edible	-	-	-	-	-	-	-	0.0
17	Hides, Skins and Pelts	-	-	-	-	-	-	-	0.0
18	Other Animal Products	-	-	-	-	-	151	151	0.0
19	Total Animal Products	-	-	-	-	-	151	151	0.0
20	Bituminous Coal	22 961	46 483	-	-	-	-	69 444	0.6
21	Coke	21 921	7 019	-	-	28 736	437 669	495 345	4.1
22	Iron Ore	765 362	5 365 308	-	-	-	32 570	6 163 240	50.9
23	Aluminum Ore and Concentrates	13 325	-	-	-	161 092	29 294	203 711	1.7
24	Clay and Bentonite	-	-	-	-	-	4 299	4 299	0.0
25	Gravel and Sand	-	-	-	-	-	-	-	0.0
26	Stone, Ground or Crushed	-	669 473	-	14 062	-	-	683 535	5.6
27	Stone, Rough	-	-	-	-	-	113	113	0.0
28	Petroleum, Crude	-	-	-	-	-	-	-	0.0
29	Salt	-	-	-	-	-	-	-	0.0
30	Phosphate Rock	-	-	-	-	-	-	-	0.0
31	Sulphur	-	-	-	-	-	-	-	0.0
32	Other Mine Products	64 540	40 390	-	14 390	34 510	158 414	312 244	2.6
33	Total Mine Products	888 109	6 128 673	-	28 452	224 338	662 359	7 931 931	65.5
34	Pulpwood	-	-	-	-	-	-	-	0.0
35	Other Forest Products	-	-	-	-	-	19	19	0.0
36	Total Forest Products	-	-	-	-	-	19	19	0.0
37	Gasoline	112 678	37 666	-	-	7 699	-	158 043	1.3
38	Fuel Oil	83 363	94 216	-	-	-	-	177 579	1.5
39	Lubricating Oils and Grease	8 081	-	-	-	14 450	-	22 531	0.2
40	Petroleum Products, Other	21 252	-	-	-	41 187	-	62 439	0.5
41	Rubber, Crude, Natural, Synthetic	-	-	-	-	-	-	-	0.0
42	Chemicals	99 067	15 906	7 280	12 813	83 518	121 911	340 495	2.8
43	Sodium Products	-	-	-	-	-	309	309	0.0
44	Tar, Pitch and Creosote	-	-	-	-	-	21	21	0.0
45	Pig Iron	19 387	45 777	-	-	-	-	65 164	0.5
46	Iron and Steel, Bars, Rods, Slabs	-	-	-	-	-	301 143	301 143	2.5
47	Iron and Steel, Nails and Wire	-	-	-	-	-	4 994	4 994	0.0
48	Iron and Steel, Manufactured	-	2 551	-	-	-	1 773 415	1 775 966	14.7
49	Machinery and Machines	-	931	-	317	143	13 630	15 021	0.1
50	Cement	23 103	317 586	-	3 300	-	-	343 989	2.8
51	Woodpulp	-	-	-	-	-	47 551	47 551	0.4
52	Newsprint	-	-	-	-	-	-	-	0.0
53	Sugar and Molasses	-	-	-	-	-	-	-	0.0
54	Sugar	-	-	-	-	1 610	-	1 610	0.0
55	Food Products	-	-	-	-	-	961	961	0.0
56	Scrap Iron and Steel	38 968	78 970	-	-	-	1 376	119 314	1.0
57	Other manufactures and Misc. (1)	113	411 527	-	891	2 214	319 007	733 752	6.1
58	Total Manufactures and Misc.	406 012	1 005 130	7 280	17 321	150 821	2 584 318	4 170 882	34.4
59	GRAND TOTAL	1 294 121	7 133 803	7 280	45 773	375 159	3 256 972	12 113 108	100.0

(1) Includes Unclassified Cargoes.

TRAFFIC BY COMMODITY CLASSIFICATION AND NATIONALITY
1989

Table 10W Part B — WEI[illegible] AND CANAL SECTION

From:	DOWNBOUND TONNES						TOTAL DOWN-BOUND	% OF TOTAL DOWN-BOUND	GRAND TOTALS		
	Canada			United States					TOTAL CARGO TONNES	% OF TOTAL	NO.
To:	Canada	United States	Foreign	Canada	United States	Foreign					
	4 964 029	-	107 512	1 015 033	-	1 188 941	7 275 515	26.2	7 275 515	18.2	1
	76 996	-	-	1 833 671	-	376 787	2 287 454	8.2	2 287 454	5.7	2
	-	-	17 679	-	-	7 704	25 383	0.1	25 383	0.1	3
	7 399	-	11 126	-	-	-	18 525	0.1	18 525	0.0	4
	239 322	-	53 883	671 689	-	267 743	1 232 637	4.4	1 232 637	3.1	5
	-	-	-	-	-	-	-	0.0	-	0.0	6
	-	-	-	-	-	18 942	18 942	0.1	18 942	0.0	7
	36 190	-	27 460	199 926	-	474 869	738 445	2.7	738 445	1.9	8
	-	-	-	-	-	-	-	0.0	-	0.0	9
	-	-	98 321	-	-	10 919	109 240	0.4	109 240	0.3	10
	-	-	-	-	-	-	-	0.0	-	0.0	11
	-	-	236 815	-	-	-	236 815	0.9	236 815	0.6	12
	-	-	-	-	-	-	-	0.0	10 060	0.0	13
	146 014	-	116 275	-	-	68 098	330 387	1.2	330 452	0.8	14
	5 469 950	-	669 071	3 720 319	-	2 414 003	12 273 343	44.2	12 283 468	30.8	15
	-	-	-	-	-	-	-	0.0	-	0.0	16
	-	-	-	-	-	-	-	0.0	-	0.0	17
	-	-	-	-	-	35 405	35 405	0.1	35 556	0.1	18
	-	-	-	-	-	35 405	35 405	0.1	35 556	0.1	19
	-	-	-	6 203 550	-	48 204	6 251 754	22.5	6 321 198	15.8	20
	70 268	-	37 205	622 707	-	186 745	916 925	3.3	1 412 270	3.5	21
	-	-	-	1 129 100	-	1 500	1 130 600	4.1	7 293 840	18.3	22
	-	-	-	-	-	-	-	0.0	203 711	0.5	23
	24 594	-	-	118 399	-	67 922	210 915	0.8	215 214	0.5	24
	-	-	-	241 749	-	-	241 749	0.9	241 749	0.6	25
	351 699	-	-	151 914	-	-	503 613	1.8	1 187 148	3.0	26
	-	-	-	-	-	-	-	0.0	113	0.0	27
	-	-	-	-	-	-	-	0.0	-	0.0	28
	1 302 673	24 085	-	787 162	62 085	-	2 176 005	7.8	2 176 005	5.5	29
	-	-	-	-	-	-	-	0.0	-	0.0	30
	-	-	-	-	-	-	-	0.0	-	0.0	31
	149 009	68 971	228 989	236 810	-	30 100	713 879	2.6	1 026 123	2.6	32
	1 898 243	93 056	266 194	9 491 391	62 085	334 471	12 145 440	43.7	20 077 371	50.3	33
	-	-	-	-	-	-	-	0.0	-	0.0	34
	-	-	35 119	-	-	21	35 140	0.1	35 159	0.1	35
	-	-	35 119	-	-	21	35 140	0.1	35 159	0.1	36
	84 641	26 582	-	6 415	-	-	117 638	0.4	275 681	0.7	37
	376 376	77 522	-	-	6 128	-	460 026	1.7	637 605	1.6	38
	-	-	-	-	-	-	-	0.0	22 531	0.1	39
	61 364	-	6 224	25 867	-	-	93 455	0.3	155 894	0.4	40
	-	-	-	-	-	-	-	0.0	-	0.0	41
	173 970	75 031	267 142	-	-	7 983	524 126	1.9	864 621	2.2	42
	34 511	-	-	-	-	-	34 511	0.1	34 820	0.1	43
	-	6 202	-	25 812	-	-	32 014	0.1	32 035	0.1	44
	-	-	-	-	-	-	-	0.0	65 164	0.2	45
	3 742	-	-	-	-	-	3 742	0.0	304 885	0.8	46
	-	-	-	-	-	1	1	0.0	4 995	0.0	47
	2 729	-	252 889	6 968	-	744 337	1 006 923	3.6	2 782 889	7.0	48
	45	-	-	390	-	24 784	25 219	0.1	40 240	0.1	49
	-	-	-	-	23 759	-	23 759	0.1	367 748	0.9	50
	-	-	40 889	-	-	6 545	47 434	0.2	94 985	0.2	51
	-	-	-	-	-	-	-	0.0	-	0.0	52
	-	-	-	-	-	-	-	0.0	-	0.0	53
	-	-	-	-	-	-	-	0.0	1 610	0.0	54
	-	-	-	-	-	19	19	0.0	980	0.0	55
	-	-	32 345	-	-	162 079	194 424	0.7	313 738	0.8	56
	4 468	-	71 230	-	-	668 025	743 723	2.7	1 477 475	3.7	57
	741 846	185 337	670 719	65 452	29 887	1 613 773	3 307 014	11.9	7 477 896	18.7	58
	8 110 039	278 393	1 641 103	13 277 162	91 972	4 397 673	27 796 342	100.0	39 909 450	100.0	59

TRAFFIC BY VESSEL LENGTH
1989

Table 11W

WELLAND CANAL SECTION

VESSEL LENGTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
under 32 m	-	59	59	6 222	-	-	-	-	-	-	0.0	4 485.00	0.0
32 - 62 m	72	28	100	37 788	1 497	-	-	-	920	2 417	0.0	17 814.02	0.1
63 - 93 m	7	51	58	157 465	18 123	-	-	210	955	19 288	0.0	139 215.53	0.4
94 - 124 m	67	57	124	551 980	270 398	-	-	-	62 542	332 940	0.8	526 973.20	1.7
125 - 155 m	100	119	219	1 684 406	644 983	-	-	203	143 928	789 114	2.0	1 100 187.85	3.5
156 - 186 m	158	101	259	3 586 771	948 578	10 060	-	1 596	1 160 252	2 120 486	5.3	2 165 291.37	6.9
187 - 217 m	112	69	181	2 681 063	1 383 798	-	-	1 406	428 361	1 813 565	4.5	1 451 669.71	4.7
over 217 m	288	506	794	14 030 737	6 592 188	-	-	10 006	433 104	7 035 298	17.6	6 547 510.75	21.0
Total Upbound	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
under 32 m	-	44	44	5 618	-	-	-	-	-	-	0.0	2 795.00	0.0
32 - 62 m	69	26	95	34 205	492	-	-	-	-	492	0.0	10 360.63	0.0
63 - 93 m	51	17	68	176 716	164 723	-	-	-	7 502	172 225	0.4	251 555.32	0.8
94 - 124 m	93	34	127	567 523	459 895	51 483	-	3 128	18 882	533 388	1.3	629 589.52	2.0
125 - 155 m	172	47	219	1 684 487	1 267 047	67 712	49 322	6	77 634	1 461 721	3.7	1 411 167.02	4.5
156 - 186 m	226	37	263	3 628 548	759 111	1 762 382	102 281	89	622 872	3 246 735	8.1	2 566 890.76	8.2
187 - 217 m	175	9	184	2 715 963	1 210 336	1 410 895	-	-	302 127	2 923 358	7.3	2 109 573.24	6.8
over 217 m	787	17	804	14 185 946	10 666 137	8 792 286	-	-	-	19 458 423	48.8	12 283 177.11	39.3
Total Downbound	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
TOTALS:													
under 32 m	-	103	103	11 840	-	-	-	-	-	-	0.0	7 280.00	0.0
32 - 62 m	141	54	195	71 993	1 989	-	-	-	920	2 909	0.0	28 174.65	0.1
63 - 93 m	58	68	126	334 181	182 846	-	-	210	8 457	191 513	0.5	390 770.85	1.3
94 - 124 m	160	91	251	1 119 503	730 293	51 483	-	3 128	81 424	866 328	2.2	1 156 562.72	3.7
125 - 155 m	272	166	438	3 368 893	1 912 030	67 712	49 322	209	221 562	2 250 835	5.6	2 511 354.87	8.0
156 - 186 m	384	138	522	7 215 319	1 707 689	1 772 442	102 281	1 685	1 783 124	5 367 221	13.4	4 732 182.13	15.2
187 - 217 m	287	78	365	5 397 026	2 594 134	1 410 895	-	1 406	730 488	4 736 923	11.9	3 561 242.95	11.4
over 217 m	1 075	523	1 598	28 216 683	17 258 325	8 792 286	-	10 006	433 104	26 493 721	66.4	18 830 687.86	60.3
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC BY VESSEL SIZE IN GROSS REGISTERED TONS
1989

Table 12W — WELLAND CANAL SECTION

GROSS REGISTERED TONS	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES						
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%
UPBOUND:											
under 1000	72	84	156	40 935	1 497	-	-	-	920	2 417	0.0
1000 - 1999	2	36	38	78 199	891	-	-	210	955	2 056	0.0
2000 - 2999	2	12	14	39 820	1 135	-	-	-	-	1 135	0.0
3000 - 3999	23	30	53	194 295	74 694	-	-	91	11 753	86 538	0.2
4000 - 4999	39	31	70	317 500	188 890	-	-	-	22 242	211 132	0.5
5000 - 5999	33	57	90	511 078	195 974	-	-	-	22 567	218 541	0.5
6000 - 6999	14	8	22	141 657	65 195	-	-	-	27 464	92 659	0.2
7000 - 7999	24	20	44	331 339	236 534	-	-	-	2 498	239 032	0.6
8000 - 8999	18	20	38	322 762	132 499	-	-	-	38 212	170 711	0.4
9000 - 9999	45	30	75	706 887	539 195	-	-	112	15 556	554 863	1.4
10000 - 10999	8	14	22	230 913	35 196	-	-	-	31 564	66 760	0.2
11000 - 11999	20	22	42	478 996	174 546	-	-	-	21 458	196 004	0.5
12000 - 12999	10	10	20	249 330	27 963	-	-	-	54 789	82 752	0.2
13000 - 13999	45	10	55	759 384	706 564	10 060	-	-	75 119	791 743	2.0
14000 - 14999	26	23	49	711 178	247 703	-	-	630	163 425	411 758	1.0
15000 - 15999	49	105	154	2 424 569	836 852	-	-	-	162 158	999 010	2.5
16000 - 16999	143	200	343	5 633 650	2 313 936	-	-	1 162	653 150	2 968 248	7.4
17000 & over	231	278	509	9 563 940	4 080 301	-	-	11 216	926 232	5 017 749	12.6
Total Up	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4
DOWNBOUND:											
under 1000	69	69	138	40 079	492	-	-	-	-	492	0.0
1000 - 1999	32	12	44	87 764	87 972	-	-	-	1 400	89 372	0.2
2000 - 2999	13	3	16	46 175	42 130	-	-	-	5 782	47 912	0.1
3000 - 3999	42	12	54	197 689	183 744	-	-	1 325	8 186	193 255	0.5
4000 - 4999	52	18	70	317 450	283 229	42 981	-	1 803	5	328 018	0.8
5000 - 5999	65	26	91	517 371	469 471	8 502	-	-	6 144	484 117	1.2
6000 - 6999	13	10	23	148 335	80 325	-	-	-	22 188	102 513	0.3
7000 - 7999	35	10	45	339 377	178 919	101 014	14 267	-	5 105	299 305	0.7
8000 - 8999	32	5	37	314 519	161 537	47 548	56 071	89	3 247	268 492	0.7
9000 - 9999	64	15	79	743 649	147 224	515 568	31 513	6	8 291	702 602	1.8
10000 - 10999	21	2	23	241 349	161 063	48 985	4 220	-	22 989	237 257	0.6
11000 - 11999	39	3	42	478 996	420 655	10 161	-	-	21 628	452 444	1.1
12000 - 12999	13	7	20	248 891	98 995	69 993	-	-	-	168 988	0.4
13000 - 13999	51	4	55	759 384	550 359	290 563	-	-	33 847	874 769	2.2
14000 - 14999	46	4	50	725 098	384 746	349 744	45 532	-	29 596	809 618	2.0
15000 - 15999	152	7	159	2 504 300	619 684	2 554 771	-	-	118 219	3 292 674	8.3
16000 - 16999	338	12	350	5 747 221	1 858 749	5 264 173	-	-	357 676	7 480 598	18.7
17000 & over	496	12	508	9 541 359	8 798 447	2 780 755	-	-	384 714	11 963 916	30.0
Total Down	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6
TOTALS:											
under 1000	141	153	294	81 014	1 989	-	-	-	920	2 909	0.0
1000 - 1999	34	48	82	165 963	88 863	-	-	210	2 355	91 428	0.2
2000 - 2999	15	15	30	85 995	43 265	-	-	-	5 782	49 047	0.1
3000 - 3999	65	42	107	391 984	258 438	-	-	1 416	19 939	279 793	0.7
4000 - 4999	91	49	140	634 950	472 119	42 981	-	1 803	22 247	539 150	1.4
5000 - 5999	98	83	181	1 028 449	665 445	8 502	-	-	28 711	702 658	1.8
6000 - 6999	27	18	45	289 992	145 520	-	-	-	49 652	195 172	0.5
7000 - 7999	59	30	89	670 716	415 453	101 014	14 267	-	7 603	538 337	1.3
8000 - 8999	50	25	75	637 281	294 036	47 548	56 071	89	41 459	439 203	1.1
9000 - 9999	109	45	154	1 450 536	686 419	515 568	31 513	118	23 847	1 257 465	3.2
10000 - 10999	29	16	45	472 262	196 259	48 985	4 220	-	54 553	304 017	0.8
11000 - 11999	59	25	84	957 992	595 201	10 161	-	-	43 086	648 448	1.6
12000 - 12999	23	17	40	498 221	126 958	69 993	-	-	54 789	251 740	0.6
13000 - 13999	96	14	110	1 518 768	1 256 923	300 623	-	-	108 966	1 666 512	4.2
14000 - 14999	72	27	99	1 436 276	632 449	349 744	45 532	630	193 021	1 221 376	3.1
15000 - 15999	201	112	313	4 928 869	1 456 536	2 554 771	-	-	280 377	4 291 684	10.8
16000 - 16999	481	212	693	11 380 871	4 172 685	5 264 173	-	1 162	1 010 826	10 448 846	26.2
17000 & over	727	290	1 017	19 105 299	12 878 748	2 780 755	-	11 216	1 310 946	16 981 665	42.6
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0

TRAFFIC BY MONTH AND TYPE OF CARGO
1989

Table 13W

WELLAND CANAL SECTION

DIRECTION AND MONTH	VESSEL TRANSITS			GROSS REGISTERED TONNAGE	CARGO TONNES							REVENUE	
	Loaded	Ball	Total		Bulk	Grains	Govt. Aid	Containers	General	Total	%	$	%
UPBOUND:													
March	1	9	10	144 616	18 094	-	-	-	-	18 094	0.0	16 388.29	0.1
April	90	89	179	2 367 757	1 223 921	-	-	638	212 142	1 436 701	3.6	1 308 367.43	4.2
May	109	109	218	2 781 637	1 536 366	10 060	-	2 011	275 949	1 824 386	4.6	1 643 752.59	5.3
June	111	113	224	2 695 104	1 303 186	-	-	670	295 161	1 599 017	4.0	1 520 108.12	4.9
July	104	90	194	2 431 879	1 317 381	-	-	3 299	231 892	1 552 572	3.9	1 394 116.52	4.5
August	92	130	222	2 657 757	1 038 795	-	-	284	175 165	1 214 244	3.0	1 292 669.34	4.1
September	91	126	217	2 763 457	1 048 937	-	-	2 143	268 711	1 319 791	3.3	1 372 262.67	4.4
October	82	119	201	2 732 107	1 043 585	-	-	2 144	288 975	1 334 704	3.3	1 380 994.86	4.4
November	96	137	233	3 032 475	1 002 462	-	-	2 072	437 450	1 441 984	3.6	1 590 886.63	5.1
December	28	68	96	1 129 643	326 838	-	-	160	44 617	371 615	0.9	433 600.98	1.4
January	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
February	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Total Upbound	804	990	1 794	22 736 432	9 859 565	10 060	-	13 421	2 230 062	12 113 108	30.4	11 953 147.43	38.3
DOWNBOUND:													
March	3	3	6	66 061	50 017	24 426	-	-	-	74 443	0.2	47 469.21	0.2
April	137	22	159	2 112 657	1 358 471	1 177 103	-	-	55 441	2 591 015	6.5	1 757 123.28	5.6
May	188	38	226	2 847 114	1 850 268	1 425 117	24 287	-	110 891	3 410 563	8.5	2 389 774.51	7.7
June	190	29	219	2 643 847	1 967 524	1 118 792	15 936	1 807	78 892	3 182 951	8.0	2 228 817.24	7.1
July	178	22	200	2 427 590	1 642 114	1 090 512	7 981	6	121 505	2 862 118	7.2	2 005 926.93	6.4
August	188	25	213	2 599 964	1 722 904	1 232 545	15 104	53	156 373	3 126 979	7.8	2 186 995.02	7.0
September	199	21	220	2 857 270	1 731 805	1 695 737	28 945	11	115 958	3 572 456	9.0	2 424 181.48	7.8
October	171	21	192	2 648 082	1 721 782	1 323 101	25 931	-	166 136	3 236 950	8.1	2 223 583.77	7.1
November	192	25	217	2 788 317	1 346 171	1 873 831	33 419	21	139 688	3 393 130	8.5	2 390 918.98	7.7
December	127	25	152	2 008 104	1 136 685	1 123 594	-	1 325	84 133	2 345 737	5.9	1 610 318.18	5.2
January	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
February	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
Total Downbound	1 573	231	1 804	22 999 006	14 527 741	12 084 758	151 603	3 223	1 029 017	27 796 342	69.6	19 265 108.60	61.7
TOTALS:													
March	4	12	16	210 677	68 111	24 426	-	-	-	92 537	0.2	63 857.50	0.2
April	227	111	338	4 480 414	2 582 392	1 177 103	-	638	267 583	4 027 716	10.1	3 065 490.71	9.8
May	297	147	444	5 628 751	3 386 634	1 435 177	24 287	2 011	386 840	5 234 949	13.1	4 033 527.10	12.9
June	301	142	443	5 338 951	3 270 710	1 118 792	15 936	2 477	374 053	4 781 968	12.0	3 748 925.36	12.0
July	282	112	394	4 859 469	2 959 495	1 090 512	7 981	3 305	353 397	4 414 690	11.1	3 400 043.45	10.9
August	280	155	435	5 257 721	2 761 699	1 232 545	15 104	337	331 538	4 341 223	10.9	3 479 664.36	11.1
September	290	147	437	5 620 727	2 780 742	1 695 737	28 945	2 154	384 669	4 892 247	12.3	3 796 444.15	12.2
October	253	140	393	5 380 189	2 765 367	1 323 101	25 931	2 144	455 111	4 571 654	11.5	3 604 578.63	11.5
November	288	162	450	5 820 792	2 348 633	1 873 831	33 419	2 093	577 138	4 835 114	12.1	3 981 805.61	12.8
December	155	93	248	3 137 747	1 463 523	1 123 594	-	1 485	128 750	2 717 352	6.8	2 043 919.16	6.5
January	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
February	-	-	-	-	-	-	-	-	-	-	0.0	0.00	0.0
GRAND TOTAL	2 377	1 221	3 598	45 735 438	24 387 306	12 094 818	151 603	16 644	3 259 079	39 909 450	100.0	31 218 256.03	100.0

TRAFFIC RESULTS
1959–1989

HISTORICAL TABLE 14W

WELLAND CANAL SECTION

YEAR	VESSEL TRANSITS			CARGO TONNES			GROSS REGISTERED TONS			TOLL REVENUE		
	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL	UPBOUND	DOWNBOUND	TOTAL
1959	4 078	3 994	8 072	8 766 100	16 214 644	24 980 744	16 431 297	16 253 019	32 684 316	$539 551	$681 885	$1 221 436
1960	3 802	3 734	7 536	7 595 598	18 939 272	26 534 870	17 827 487	17 700 778	35 528 265	$530 004	$788 353	$1 318 357
1961	3 895	3 852	7 747	6 955 950	21 579 366	28 535 316	20 526 749	20 197 329	40 724 078	$571 108	$889 343	$1 460 451
1962	3 843	3 772	7 615	9 836 922	22 283 136	32 120 058	21 767 377	21 385 156	43 152 533	$249 675	$390 518	$640 193
1963	3 828	3 769	7 597	11 931 721	25 538 163	37 469 884	24 204 537	23 843 127	48 047 664	-	-	-
1964	4 146	4 158	8 304	16 820 427	29 798 445	46 618 872	27 333 030	27 533 536	54 866 566	-	-	-
1965	4 183	4 201	8 384	18 097 086	30 364 883	48 461 969	28 790 195	28 710 105	57 500 300	-	-	-
1966	4 336	4 378	8 714	20 473 738	33 296 611	53 770 349	31 744 958	31 735 164	63 480 122	-	-	-
1967	3 697	3 740	7 437	20 324 823	27 583 070	47 907 893	27 454 783	27 576 227	55 031 010	$430 135	$483 140	$913 275
1968	3 581	3 623	7 204	23 751 472	28 933 020	52 684 492	29 317 614	29 511 720	58 829 334	$833 385	$915 780	$1 749 165
1969	3 426	3 437	6 863	17 580 136	30 983 580	48 563 716	28 840 358	28 798 943	57 639 301	$1 142 840	$1 351 235	$2 494 075
1970	3 557	3 565	7 122	19 207 917	37 910 928	57 118 845	31 447 666	31 410 163	62 857 829	$1 588 080	$1 945 325	$3 533 405
1971	3 425	3 453	6 878	19 591 631	37 613 842	57 205 473	32 237 635	32 286 030	64 523 665	$1 956 332	$2 375 270	$4 331 602
1972	3 390	3 388	6 778	19 160 181	39 075 301	58 235 482	33 249 105	33 087 271	66 336 376	$1 892 370	$2 350 235	$4 242 605
1973	3 411	3 404	6 815	21 513 431	39 444 559	60 957 990	33 004 645	33 265 696	66 270 341	$1 901 285	$2 331 170	$4 232 455
1974	2 580	2 591	5 171	18 279 971	29 220 185	47 500 156	25 554 751	25 538 549	51 093 300	$1 446 250	$1 730 438	$3 176 688
1975	3 010	3 031	6 041	17 137 576	37 156 544	54 294 120	30 715 428	30 829 616	61 545 044	$1 607 168	$2 112 850	$3 720 018
1976	2 928	2 964	5 892	23 285 853	35 082 590	58 368 443	31 001 484	30 982 724	61 984 208	$1 726 550	$2 062 858	$3 789 408
1977	3 080	3 082	6 162	27 366 888	37 710 559	65 077 447	32 816 461	32 909 130	65 725 591	$1 877 060	$2 153 878	$4 030 938
1978	3 310	3 295	6 605	21 257 777	44 413 215	65 670 992	37 128 590	36 870 848	73 999 438	$6 903 371	$11 387 936	$18 291 307
1979	3 267	3 265	6 532	20 286 150	45 878 396	66 164 546	37 413 846	37 406 381	74 820 227	$7 678 270	$13 563 360	$21 241 630
1980	3 287	3 280	6 567	11 986 348	47 619 633	59 605 981	37 615 582	37 629 374	75 244 956	$6 259 535	$17 350 353	$23 609 888
1981	2 979	2 963	5 942	16 601 880	42 248 995	58 850 875	34 350 642	34 188 081	68 538 723	$7 703 325	$15 389 304	$23 092 629
1982	2 578	2 577	5 155	8 824 472	40 199 632	49 024 104	31 824 878	31 728 971	63 553 849	$7 043 197	$17 486 035	$24 529 232
1983	2 356	2 351	4 707	12 305 327	37 839 759	50 145 086	30 442 985	30 112 815	60 555 800	$10 060 475	$18 084 140	$28 144 615
1984	2 369	2 381	4 750	14 079 793	39 837 065	53 916 858	31 561 360	31 673 380	63 234 740	$10 951 474	$18 879 025	$29 830 499
1985	1 908	1 918	3 826	10 887 501	30 964 259	41 851 760	25 154 052	25 156 487	50 310 539	$8 521 922	$14 746 841	$23 268 763
1986	1 989	1 970	3 959	10 224 030	31 388 740	41 612 770	26 292 247	26 191 305	52 483 552	$9 718 205	$17 414 086	$27 132 291
1987	1 972	1 942	3 914	11 430 043	31 294 712	42 724 755	25 866 562	25 827 198	51 693 760	$10 934 931	$18 741 282	$29 676 213
1988	1 963	1 946	3 909	12 363 992	31 172 325	43 536 317	25 678 177	25 497 142	51 175 319	$12 360 061	$20 337 571	$32 697 632
1989	1 794	1 804	3 598	12 113 108	27 796 342	39 909 450	22 736 432	22 999 006	45 735 438	$11 953 147	$19 265 109	$31 218 256
TOTAL	97 968	97 828	195 796	490 037 842	1 029 381 771	1 519 419 613	890 330 913	888 835 271	1 779 166 184	$128 379 706	$225 207 320	$353 587 026

CARGO BY TARIFF CLASSIFICATION
1959–1989

HISTORICAL TABLE 15W

WELLAND CANAL SECTION

YEAR	BULK		GRAINS		GOVT AID		CONTAINERS		GENERAL		TOTAL	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	23 308 292	93.3	-	0.0	-	0.0	-	0.0	1 672 452	6.7	24 980 744	100.0
1960	24 818 852	93.5	-	0.0	-	0.0	-	0.0	1 716 018	6.5	26 534 870	100.0
1961	26 831 290	94.0	-	0.0	-	0.0	-	0.0	1 704 026	6.0	28 535 316	100.0
1962	30 232 066	94.1	-	0.0	-	0.0	-	0.0	1 887 992	5.9	32 120 058	100.0
1963	35 259 789	94.1	-	0.0	-	0.0	-	0.0	2 210 095	5.9	37 469 884	100.0
1964	43 816 326	94.0	-	0.0	-	0.0	-	0.0	2 802 546	6.0	46 618 872	100.0
1965	44 198 339	91.2	-	0.0	-	0.0	-	0.0	4 263 630	8.8	48 461 969	100.0
1966	49 457 587	92.0	-	0.0	-	0.0	-	0.0	4 312 762	8.0	53 770 349	100.0
1967	43 303 804	90.4	-	0.0	-	0.0	-	0.0	4 604 089	9.6	47 907 893	100.0
1968	46 169 258	87.6	-	0.0	-	0.0	-	0.0	6 515 234	12.4	52 684 492	100.0
1969	42 951 603	88.4	-	0.0	-	0.0	-	0.0	5 612 113	11.6	48 563 716	100.0
1970	51 806 382	90.7	-	0.0	-	0.0	-	0.0	5 312 464	9.3	57 118 846	100.0
1971	49 988 093	87.4	-	0.0	-	0.0	-	0.0	7 217 380	12.6	57 205 473	100.0
1972	52 047 776	89.4	-	0.0	-	0.0	-	0.0	6 187 705	10.6	58 235 481	100.0
1973	56 311 178	92.4	-	0.0	-	0.0	-	0.0	4 646 812	7.6	60 957 990	100.0
1974	43 940 811	92.5	-	0.0	-	0.0	-	0.0	3 559 345	7.5	47 500 156	100.0
1975	51 542 945	94.9	-	0.0	-	0.0	-	0.0	2 751 175	5.1	54 294 120	100.0
1976	54 924 368	94.1	-	0.0	-	0.0	-	0.0	3 444 075	5.9	58 368 443	100.0
1977	59 472 129	91.4	-	0.0	-	0.0	-	0.0	5 605 318	8.6	65 077 447	100.0
1978	32 538 514	49.5	28 915 882	44.0	128 945	0.2	198 747	0.3	3 888 904	5.9	65 670 992	100.0
1979	36 433 937	55.1	26 125 570	39.5	158 887	0.2	186 229	0.3	3 259 923	4.9	66 164 546	100.0
1980	29 597 504	49.7	28 144 695	47.2	168 103	0.3	139 942	0.2	1 555 737	2.6	59 605 981	100.0
1981	30 284 988	51.5	25 556 622	43.4	242 580	0.4	39 188	0.1	2 727 497	4.6	58 850 875	100.0
1982	21 490 570	43.8	25 179 641	51.4	299 707	0.6	53 826	0.1	2 009 360	4.1	49 024 104	100.0
1983	22 059 063	44.0	24 804 023	49.5	294 326	0.6	37 356	0.1	2 950 318	5.9	50 145 086	100.0
1984	24 972 587	46.3	24 441 099	45.4	229 730	0.4	111 011	0.2	4 162 431	7.7	53 916 858	100.0
1985	21 168 333	50.6	17 024 549	40.7	261 476	0.6	79 154	0.2	3 318 248	7.9	41 851 760	100.0
1986	21 182 530	50.9	17 015 294	40.9	227 432	0.5	22 966	0.1	3 164 548	7.6	41 612 770	100.0
1987	20 427 881	47.8	19 072 346	44.6	210 398	0.5	24 308	0.1	2 989 822	7.0	42 724 755	100.0
1988	24 119 789	55.4	16 062 624	36.9	84 327	0.2	23 490	0.1	3 246 087	7.4	43 536 317	100.0
1989	24 387 306	61.1	12 094 818	30.3	151 603	0.4	16 644	0.0	3 259 079	8.2	39 909 450	100.0
TOTAL	1 139 043 890	75.0	264 437 163	17.4	2 448 514	0.1	932 861	0.1	112 557 185	7.4	1 519 419 613	100.0

1959–1989

HISTORICAL TABLE 16W

WELLAND CANAL SECTION

YEAR	CARGO TARIFFS						GROSS REGISTERED TONNAGE	LOCKAGE FEES	OTHER	TOTAL
	BULK	GRAINS	GOVT AID	CONTAINERS	GENERAL	TOTAL				
	$	$	$	$	$	$	$	$	$	$
1959	496 682	NOT	NOT	NOT	89 212	585 894	627 159	NOT	8 383	1 221 436
1960	526 025	APPLICABLE	APPLICABLE	APPLICABLE	90 925	616 950	683 116	APPLICABLE	18 291	1 318 357
1961	567 548	-	-	-	90 111	657 659	781 044	-	21 748	1 460 451
1962*	-	-	-	-	-	-	-	-	640 193	640 193
1963	NOT	-	-	-	NOT	NOT	NOT	-	NOT	-
1964	APPLICABLE	-	-	-	APPLICABLE	APPLICABLE	APPLICABLE	-	APPLICABLE	-
1965	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	913 275	-	913 275
1968	-	-	-	-	-	-	-	1 749 165	-	1 749 165
1969	-	-	-	-	-	-	-	2 494 075	-	2 494 075
1970	-	-	-	-	-	-	-	3 533 405	-	3 533 405
1971	-	-	-	-	-	-	-	4 331 602	-	4 331 602
1972	-	-	-	-	-	-	-	4 242 605	-	4 242 605
1973	-	-	-	-	-	-	-	4 232 455	-	4 232 455
1974	-	-	-	-	-	-	-	3 176 688	-	3 176 688
1975	-	-	-	-	-	-	-	3 720 018	-	3 720 018
1976	-	-	-	-	-	-	-	3 789 408	-	3 789 408
1977	-	-	-	-	-	-	-	4 030 938	-	4 030 938
1978	6 265 378	5 744 015	25 789	61 612	1 088 572	13 185 366	5 094 839	NOT	11 102	18 291 307
1979	8 463 499	6 236 588	38 133	57 731	1 271 265	16 067 216	5 164 336	APPLICABLE	10 078	21 241 630
1980	8 855 902	8 680 252	52 112	43 382	777 792	18 409 440	5 189 574	-	10 874	23 609 888
1981	9 055 811	7 869 628	75 200	12 148	1 360 405	18 373 192	4 707 569	-	11 868	23 092 629
1982	6 600 145	7 761 044	90 119	16 686	1 004 663	15 472 657	4 398 370	4 643 925	14 280	24 529 232
1983	6 687 009	7 643 180	91 241	11 580	1 475 130	15 908 140	4 165 373	8 061 656	9 446	28 144 615
1984	7 549 564	7 524 600	71 216	34 413	2 081 184	17 260 977	4 356 780	8 200 688	12 054	29 830 499
1985	6 345 608	5 237 942	81 057	24 538	1 659 124	13 348 269	3 449 541	6 459 219	11 734	23 268 763
1986	7 352 177	6 059 164	81 876	8 268	1 835 438	15 336 923	4 116 802	7 662 160	16 406	27 132 291
1987	7 682 740	7 361 180	82 055	9 480	1 883 577	17 019 032	4 543 936	8 091 383	21 862	29 676 213
1988	9 849 929	6 689 419	35 417	9 866	2 207 339	18 791 970	5 009 609	8 878 770	17 283	32 697 632
1989	10 410 091	5 231 970	-	7 323	2 313 798	17 963 182	4 923 146	8 311 312	20 616	31 218 256
TOTAL	96 708 108	82 038 982	724 215	297 027	19 228 535	198 996 867	57 211 194	96 522 747	856 218	353 587 026

* TOLLS SUSPENDED 7/62. INDIVIDUAL BREAKOUT NOT AVAILABLE FOR THAT PERIOD.

VESSEL TRANSITS
1959 - 1989

HISTORICAL TABLE 17W

WELLAND CANAL SECTION

YEAR	UPBOUND				DOWNBOUND				TOTAL			
		TRANSITS				TRANSITS				TRANSITS		
	CARGO TONNES	LOADED	BALLAST	TOTAL	CARGO TONNES	LOADED	BALLAST	TOTAL	CARGO TONNES	LOADED	BALLAST	TOTAL
1959	8 766 100	2 171	1 907	4 078	16 214 644	3 315	679	3 994	24 980 744	5 486	2 586	8 072
1960	7 595 598	1 960	1 842	3 802	18 939 272	3 247	487	3 734	26 534 870	5 207	2 329	7 536
1961	6 955 950	1 842	2 053	3 895	21 579 366	3 364	488	3 852	28 535 316	5 206	2 541	7 747
1962	9 836 922	2 037	1 806	3 843	22 283 136	3 214	558	3 772	32 120 058	5 251	2 364	7 615
1963	11 931 721	2 069	1 759	3 828	25 538 163	3 199	570	3 769	37 469 884	5 268	2 329	7 597
1964	16 820 427	2 441	1 705	4 146	29 798 445	3 629	529	4 158	46 618 872	6 070	2 234	8 304
1965	18 097 086	2 572	1 611	4 183	30 364 883	3 566	635	4 201	48 461 969	6 138	2 246	8 384
1966	20 473 738	2 689	1 647	4 336	33 296 611	3 698	680	4 378	53 770 349	6 387	2 327	8 714
1967	20 324 823	2 488	1 209	3 697	27 583 070	2 985	755	3 740	47 907 893	5 473	1 964	7 437
1968	23 751 472	2 554	1 027	3 581	28 933 020	2 785	838	3 623	52 684 492	5 339	1 865	7 204
1969	17 580 136	2 102	1 324	3 426	30 983 580	2 835	602	3 437	48 563 716	4 937	1 926	6 863
1970	19 207 917	2 070	1 487	3 557	37 910 928	3 072	493	3 565	57 118 845	5 142	1 980	7 122
1971	19 591 631	2 054	1 371	3 425	37 613 842	2 973	480	3 453	57 205 473	5 027	1 851	6 878
1972	19 160 181	1 968	1 422	3 390	39 075 301	2 923	465	3 388	58 235 482	4 891	1 887	6 778
1973	21 513 431	1 962	1 449	3 411	39 444 559	2 856	548	3 404	60 957 990	4 818	1 997	6 815
1974	18 279 971	1 520	1 060	2 580	29 220 185	2 079	512	2 591	47 500 156	3 599	1 572	5 171
1975	17 137 576	1 446	1 564	3 010	37 156 544	2 599	432	3 031	54 294 120	4 045	1 996	6 041
1976	23 285 853	1 736	1 192	2 928	35 082 590	2 513	451	2 964	58 368 443	4 249	1 643	5 892
1977	27 366 888	2 026	1 054	3 080	37 710 559	2 614	468	3 082	65 077 447	4 640	1 522	6 162
1978	21 257 777	1 667	1 643	3 310	44 413 215	2 927	368	3 295	65 670 992	4 594	2 011	6 605
1979	20 286 150	1 487	1 780	3 267	45 878 396	2 915	350	3 265	66 164 546	4 402	2 130	6 532
1980	11 986 348	917	2 370	3 287	47 619 633	2 992	288	3 280	59 605 981	3 909	2 658	6 567
1981	16 601 880	1 172	1 807	2 979	42 248 995	2 623	340	2 963	58 850 875	3 795	2 147	5 942
1982	8 824 472	641	1 937	2 578	40 199 632	2 320	257	2 577	49 024 104	2 961	2 194	5 155
1983	12 305 327	789	1 567	2 356	37 839 759	2 115	236	2 351	50 145 086	2 904	1 803	4 707
1984	14 079 793	896	1 473	2 369	39 837 065	2 161	220	2 381	53 916 858	3 057	1 693	4 750
1985	10 887 501	713	1 195	1 908	30 964 259	1 702	216	1 918	41 851 760	2 415	1 411	3 826
1986	10 224 030	723	1 266	1 989	31 388 740	1 724	246	1 970	41 612 770	2 447	1 512	3 959
1987	11 430 043	759	1 213	1 972	31 294 712	1 648	294	1 942	42 724 755	2 407	1 507	3 914
1988	12 363 992	810	1 153	1 963	31 172 325	1 658	288	1 946	43 536 317	2 468	1 441	3 909
1989	12 113 108	804	990	1 794	27 796 342	1 573	231	1 804	39 909 450	2 377	1 221	3 598
TOTAL	490 037 842	51 085	46 883	97 968	1 029 381 771	83 824	14 004	97 828	1 519 419 613	134 909	60 887	195 796

VESSEL ANALYSIS
1959 - 1989

HISTORICAL TABLE 18W

WELLAND CANAL SECTION

YEAR	UPBOUND				DOWNBOUND				TOTAL	
	PERCENT OF TOTAL		PERCENT LOADED	TONNES/ LOADED TRANSIT	PERCENT OF TOTAL		PERCENT LOADED	TONNES/ LOADED TRANSIT	PERCENT LOADED	TONNES/ LOADED TRANSIT
	TONNES	TRANSITS			TONNES	TRANSITS				
1959	35.1%	50.5%	53.2%	4 038	64.9%	49.5%	83.0%	4 891	68.0%	4 554
1960	28.6%	50.5%	51.6%	3 875	71.4%	49.5%	87.0%	5 833	69.1%	5 096
1961	24.4%	50.3%	47.3%	3 776	75.6%	49.7%	87.3%	6 415	67.2%	5 481
1962	30.6%	50.5%	53.0%	4 829	69.4%	49.5%	85.2%	6 933	69.0%	6 117
1963	31.8%	50.4%	54.0%	5 767	68.2%	49.6%	84.9%	7 983	69.3%	7 113
1964	36.1%	49.9%	58.9%	6 891	63.9%	50.1%	87.3%	8 211	73.1%	7 680
1965	37.3%	49.9%	61.5%	7 036	62.7%	50.1%	84.9%	8 515	73.2%	7 895
1966	38.1%	49.8%	62.0%	7 614	61.9%	50.2%	84.5%	9 004	73.3%	8 419
1967	42.4%	49.7%	67.3%	8 169	57.6%	50.3%	79.8%	9 241	73.6%	8 753
1968	45.1%	49.7%	71.3%	9 300	54.9%	50.3%	76.9%	10 389	74.1%	9 868
1969	36.2%	49.9%	61.4%	8 364	63.8%	50.1%	82.5%	10 929	71.9%	9 837
1970	33.6%	49.9%	58.2%	9 279	66.4%	50.1%	86.2%	12 341	72.2%	11 108
1971	34.2%	49.8%	60.0%	9 538	65.8%	50.2%	86.1%	12 652	73.1%	11 380
1972	32.9%	50.0%	58.1%	9 736	67.1%	50.0%	86.3%	13 368	72.2%	11 907
1973	35.3%	50.1%	57.5%	10 965	64.7%	49.9%	83.9%	13 811	70.7%	12 652
1974	38.5%	49.9%	58.9%	12 026	61.5%	50.1%	80.2%	14 055	69.6%	13 198
1975	31.6%	49.8%	48.0%	11 852	68.4%	50.2%	85.7%	14 296	67.0%	13 423
1976	39.9%	49.7%	59.3%	13 414	60.1%	50.3%	84.8%	13 960	72.1%	13 737
1977	42.1%	50.0%	65.8%	13 508	57.9%	50.0%	84.8%	14 426	75.3%	14 025
1978	32.4%	50.1%	50.4%	12 752	67.6%	49.9%	88.8%	15 174	69.6%	14 295
1979	30.7%	50.0%	45.5%	13 642	69.3%	50.0%	89.3%	15 739	67.4%	15 031
1980	20.1%	50.1%	27.9%	13 071	79.9%	49.9%	91.2%	15 916	59.5%	15 248
1981	28.2%	50.1%	39.3%	14 165	71.8%	49.9%	88.5%	16 107	63.9%	15 507
1982	18.0%	50.0%	24.9%	13 767	82.0%	50.0%	90.0%	17 327	57.4%	16 557
1983	24.5%	50.1%	33.5%	15 596	75.5%	49.9%	90.0%	17 891	61.7%	17 268
1984	26.1%	49.4%	37.8%	15 714	73.9%	50.1%	90.8%	18 434	64.4%	17 637
1985	26.0%	49.9%	37.4%	15 270	74.0%	50.1%	88.7%	18 192	63.1%	17 330
1986	24.6%	50.2%	36.3%	14 141	75.4%	49.8%	87.5%	18 207	61.8%	17 006
1987	26.8%	50.4%	38.5%	15 059	73.2%	49.6%	84.9%	18 990	61.5%	17 750
1988	28.4%	50.2%	41.3%	15 264	71.6%	49.8%	85.2%	18 801	63.1%	17 640
1989	30.4%	49.9%	44.8%	15 066	69.6%	50.1%	87.2%	17 671	66.1%	16 790
TOTAL	32.3%	50.0%	52.1%	9 593	67.7%	50.0%	85.7%	12 280	68.9%	11 263

CARGO BY TRANSIT AND VESSEL
1959–1989

HISTORICAL TABLE 19W

WELLAND CANAL SECTION

	TYPE OF TRANSIT						CLASS OF VESSEL				TYPE OF VESSEL					
	OVERSEAS		INLAND		COASTAL		OCEAN		LAKER		CARGO		TANKER		TUG AND BARGE	
YEAR	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	4 716 431	18.9	20 264 313	81.1	-	0.0	4 716 431	18.9	20 264 313	81.1	22 784 700	91.2	1 614 268	6.5	581 776	2.3
1960	5 711 334	21.5	20 823 536	78.5	-	0.0	5 711 334	21.5	20 823 536	78.5	24 101 978	90.8	1 807 582	6.8	625 310	2.4
1961	5 633 130	19.7	22 902 186	80.3	-	0.0	5 633 130	19.7	22 902 186	80.3	26 120 118	91.5	1 899 307	6.7	515 891	1.8
1962	6 809 791	21.2	25 310 267	78.8	-	0.0	6 809 791	21.2	25 310 267	78.8	30 102 465	93.7	1 489 980	4.6	527 613	1.6
1963	5 893 984	15.7	31 575 900	84.3	-	0.0	5 893 984	15.7	31 575 900	84.3	35 497 909	94.7	1 510 280	4.0	461 695	1.2
1964	7 869 220	16.9	38 749 652	83.1	-	0.0	7 869 220	16.9	38 749 652	83.1	44 263 061	94.9	1 848 564	4.0	507 247	1.1
1965	10 430 874	21.5	38 031 095	78.5	-	0.0	10 430 874	21.5	38 031 095	78.5	45 877 665	94.7	2 113 993	4.4	470 311	1.0
1966	11 106 387	20.7	42 663 962	79.3	-	0.0	11 106 387	20.7	42 663 962	79.3	51 251 838	95.3	2 042 769	3.8	475 742	0.9
1967	10 206 709	21.3	36 722 365	76.7	978 819	2.0	11 185 528	23.3	36 722 365	76.7	45 604 389	95.2	1 834 558	3.8	468 946	1.0
1968	12 145 073	23.1	39 704 460	75.4	834 959	1.6	12 980 032	24.6	39 704 460	75.4	50 266 461	95.4	1 975 163	3.7	442 868	0.8
1969	11 424 450	23.5	36 289 594	74.7	849 672	1.7	12 274 122	25.3	36 289 594	74.7	46 043 263	94.8	2 084 769	4.3	435 684	0.9
1970	11 215 807	19.6	45 297 681	79.3	605 357	1.1	11 821 164	20.7	45 297 681	79.3	54 661 010	95.7	2 095 329	3.7	362 506	0.6
1971	16 071 100	28.1	40 587 364	71.0	547 009	1.0	16 618 109	29.0	40 587 364	71.0	55 016 618	96.2	1 919 788	3.4	269 067	0.5
1972	16 265 373	27.9	41 519 999	71.3	450 110	0.8	16 715 483	28.7	41 519 999	71.3	55 839 377	95.9	2 129 298	3.7	266 807	0.5
1973	14 821 168	24.3	45 596 613	74.8	540 209	0.9	15 361 377	25.2	45 596 613	74.8	57 845 485	94.9	2 586 232	4.2	526 273	0.9
1974	9 579 364	20.2	37 504 781	79.0	416 011	0.9	9 995 375	21.0	37 504 781	79.0	45 260 448	95.3	2 023 841	4.3	215 867	0.5
1975	10 195 339	18.8	43 626 156	80.4	472 625	0.9	10 667 964	19.6	43 626 156	80.4	52 331 075	96.4	1 715 279	3.2	247 766	0.5
1976	11 900 185	20.4	46 104 184	79.0	364 074	0.6	12 264 259	21.0	46 104 184	79.0	56 689 147	97.1	1 590 546	2.7	88 750	0.2
1977	16 453 343	25.3	47 941 573	73.7	682 531	1.0	17 135 874	26.3	47 941 573	73.7	63 155 547	97.0	1 749 201	2.7	172 699	0.3
1978	19 767 779	30.1	45 111 141	68.7	792 072	1.2	20 559 851	31.3	45 111 141	68.7	63 569 887	96.8	1 947 963	3.0	153 142	0.2
1979	17 195 572	26.0	48 352 869	73.1	616 105	0.9	17 811 677	26.9	48 352 869	73.1	63 262 111	95.6	2 669 488	4.0	232 947	0.4
1980	11 907 352	20.0	47 087 307	79.0	611 322	1.0	12 518 674	21.0	47 087 307	79.0	56 555 170	94.9	2 457 562	4.1	593 249	1.0
1981	11 824 326	20.1	46 588 822	79.2	437 727	0.7	12 262 053	20.8	46 588 822	79.2	55 630 318	94.5	2 638 941	4.5	581 616	1.0
1982	10 833 216	22.1	37 589 468	76.7	601 420	1.2	11 434 636	23.3	37 589 468	76.7	46 559 832	95.0	2 173 056	4.4	291 216	0.6
1983	11 465 368	22.9	38 187 526	76.2	492 192	1.0	11 957 560	23.8	38 187 526	76.2	48 149 049	96.0	1 970 839	3.9	25 198	0.1
1984	13 472 531	25.0	40 049 965	74.3	394 362	0.7	13 866 893	25.7	40 049 965	74.3	52 216 687	96.8	1 594 761	3.0	105 410	0.2
1985	10 734 244	25.6	30 365 838	72.6	751 678	1.8	11 485 922	27.4	30 365 838	72.6	40 119 552	95.9	1 585 436	3.8	146 772	0.4
1986	11 317 039	27.2	29 572 588	71.1	723 143	1.7	12 040 182	28.9	29 572 588	71.1	39 733 850	95.5	1 838 199	4.4	40 721	0.1
1987	10 734 325	25.1	31 288 601	73.2	701 829	1.6	11 436 154	26.8	31 288 601	73.2	41 089 218	96.2	1 519 798	3.6	115 739	0.3
1988	10 909 606	25.0	32 163 998	73.9	462 713	1.1	11 372 319	26.1	32 163 998	73.9	41 489 242	95.3	1 853 027	4.3	194 048	0.4
1989	9 669 950	24.2	29 654 770	74.3	584 730	1.5	10 254 680	25.7	29 654 770	74.3	37 954 678	95.1	1 707 862	4.3	246 910	0.6
TOTAL	348 280 370	22.9	1 157 228 574	76.2	13 910 669	0.9	362 191 039	23.8	1 157 228 574	76.2	1 449 042 148	95.4	59 987 679	3.9	10 389 786	0.7

TRAFFIC BY VESSEL LENGTH
1959 –1989

HISTORICAL TABLE 20W

WELLAND CANAL SECTION

	TRANSITS								CARGO TONNES							
YEAR	0 – 62m	63 – 93m	94 – 124m	125 – 155m	156 – 186m	187 – 217m	OVER 217m	TOTAL	0 – 62m	63 – 93m	94 – 124m	125 – 155m	156 – 186m	187 – 217m	OVER 217m	TOTAL
1959	711	3 682	934	1 406	649	577	113	8 072	51 990	6 172 912	2 306 180	4 790 578	4 015 972	6 259 579	1 383 533	24 980 744
1960	345	3 019	1 121	1 382	867	612	190	7 536	49 499	4 645 364	2 630 191	5 024 448	5 363 955	6 184 772	2 636 641	26 534 870
1961	288	2 576	1 143	1 839	956	579	366	7 747	46 601	3 983 566	2 751 914	6 185 352	5 165 355	5 589 105	4 813 423	28 535 316
1962	358	2 107	1 141	1 930	934	701	444	7 615	57 458	3 401 236	2 733 131	6 803 130	5 414 798	6 948 959	6 761 346	32 120 058
1963	560	1 649	1 078	1 846	973	770	721	7 597	208 680	2 829 563	2 500 026	6 563 239	5 840 911	8 774 186	10 753 279	37 469 884
1964	407	1 581	1 143	2 040	1 440	996	697	8 304	45 405	2 788 139	2 752 284	7 433 674	9 281 665	11 590 219	12 727 486	46 618 872
1965	471	1 402	1 279	1 928	1 592	903	809	8 384	46 246	2 580 863	3 088 751	7 450 401	10 946 149	10 551 642	13 797 917	48 461 969
1966	461	1 254	1 335	1 895	1 821	992	956	8 714	42 671	2 394 304	3 101 446	7 069 439	12 797 091	11 438 314	16 927 084	53 770 349
1967	383	1 016	1 266	1 417	1 384	836	1 135	7 437	77 344	1 902 997	2 891 977	5 232 742	9 886 840	9 477 554	18 438 439	47 907 893
1968	366	967	945	1 293	1 379	886	1 368	7 204	43 274	1 777 662	2 497 377	5 063 966	11 192 457	10 138 507	21 971 249	52 684 492
1969	382	919	964	1 256	1 207	618	1 517	6 863	48 482	1 513 154	2 512 046	4 520 705	9 577 066	7 108 760	23 283 503	48 563 716
1970	297	807	984	1 197	1 322	774	1 741	7 122	24 409	1 451 450	2 628 450	4 447 406	10 849 694	9 497 798	28 219 638	57 118 845
1971	279	533	934	1 205	1 514	872	1 541	6 878	25 547	909 389	2 533 881	5 326 787	12 668 932	10 137 427	25 603 510	57 205 473
1972	245	543	824	1 084	1 588	907	1 587	6 778	22 502	895 819	2 415 212	4 790 889	13 595 716	10 505 001	26 010 343	58 235 482
1973	293	521	957	988	1 417	1 000	1 639	6 815	16 284	867 270	3 058 219	4 897 568	12 053 480	12 120 458	27 944 711	60 957 990
1974	286	325	657	642	1 022	886	1 353	5 171	32 455	517 717	1 908 773	2 852 505	8 860 628	10 913 334	22 414 744	47 500 156
1975	344	323	669	776	1 251	989	1 689	6 041	34 105	430 060	1 879 308	3 008 164	9 891 618	11 731 162	27 319 703	54 294 120
1976	283	181	677	657	1 299	1 143	1 652	5 892	8 309	236 753	1 939 812	2 517 601	11 416 581	13 953 803	28 295 584	58 368 443
1977	255	315	722	662	1 692	1 032	1 484	6 162	25 287	430 172	2 234 580	2 908 353	18 001 653	14 408 867	27 068 535	65 077 447
1978	213	358	678	814	1 874	990	1 678	6 605	2 454	431 520	2 222 638	4 119 710	18 195 445	12 618 924	28 080 301	65 670 992
1979	210	298	661	899	1 630	939	1 895	6 532	3 873	355 653	2 213 605	4 369 083	15 736 352	12 555 401	30 930 579	66 164 546
1980	225	372	575	830	1 627	876	2 062	6 567	2 457	466 627	1 976 550	3 981 466	12 640 688	8 964 849	31 573 344	59 605 981
1981	235	288	516	733	1 384	886	1 900	5 942	2 060	336 502	1 786 390	3 872 378	11 759 575	10 273 600	30 820 370	58 850 875
1982	209	157	407	611	1 159	689	1 923	5 155	7 625	142 270	1 307 702	3 108 047	8 720 523	7 443 240	28 294 697	49 024 104
1983	155	102	445	485	962	555	2 003	4 707	1 956	103 255	1 548 961	2 660 463	8 245 090	6 528 174	31 057 187	50 145 086
1984	182	66	417	464	907	516	2 198	4 750	1 515	98 655	1 522 345	2 806 669	9 225 301	6 097 806	34 164 567	53 916 858
1985	192	49	365	384	698	425	1 713	3 826	2 450	53 927	1 398 000	1 969 805	7 088 275	4 736 334	26 602 969	41 851 760
1986	235	46	321	467	702	465	1 723	3 959	1 320	29 463	1 154 762	2 245 600	7 093 207	5 290 721	25 797 697	41 612 770
1987	271	45	348	412	604	443	1 791	3 914	3 790	60 077	1 211 387	2 098 890	6 338 718	5 017 749	27 994 144	42 724 755
1988	230	94	349	450	592	398	1 806	3 909	1 554	152 510	1 269 612	2 257 169	6 117 728	4 889 [illegible]1	28 847 953	43 536 317
1989	298	126	251	438	522	365	1 598	3 598	2 909	191 513	866 328	2 250 835	5 367 221	4 736 923	26 493 721	39 909 450
TOTAL	9 669	25 711	24 106	32 430	36 968	23 620	43 292	195 796	940 511	42 150 362	66 841 838	132 627 062	303 348 684	276 482 959	697 028 197	1 519 419 613

COMMODITY GROUPS
1959 - 1989

HISTORICAL TABLE 21W

WELLAND CANAL SECTION

YEAR	AGRICULTURAL PRODUCTS		ANIMAL PRODUCTS		MINE PRODUCTS		FOREST PRODUCTS		MANUFACTURES & MISCELLANEOUS		PACKAGE FREIGHT		TOTAL	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	7 999 437	32.0	168 704	0.7	12 140 924	48.6	321 328	1.3	4 008 825	16.0	341 526	1.4	24 980 744	100.0
1960	8 810 089	33.2	183 133	0.7	12 733 150	48.0	262 127	1.0	4 158 376	15.7	387 995	1.5	26 534 870	100.0
1961	11 004 608	38.6	229 561	0.8	11 535 291	40.4	239 571	0.8	5 105 856	17.9	420 429	1.5	28 535 316	100.0
1962	11 384 590	35.4	249 247	0.8	15 564 673	48.5	255 819	0.8	4 215 876	13.1	449 853	1.4	32 120 058	100.0
1963	13 737 812	36.7	335 632	0.9	18 108 572	48.3	276 410	0.7	4 659 215	12.5	352 243	0.9	37 469 884	100.0
1964	16 709 297	35.8	450 188	1.0	23 326 827	50.0	290 692	0.6	5 402 094	11.6	439 774	0.9	46 618 872	100.0
1965	16 762 027	34.6	347 339	0.7	23 636 219	48.8	213 050	0.4	7 063 161	14.6	440 173	0.9	48 461 969	100.0
1966	19 366 507	36.0	311 114	0.6	26 105 912	48.6	280 526	0.5	7 315 403	13.6	390 887	0.7	53 770 349	100.0
1967	13 633 467	28.5	320 144	0.7	25 922 502	54.1	279 526	0.6	7 495 611	15.6	256 643	0.5	47 907 893	100.0
1968	13 140 856	24.9	295 267	0.6	28 995 223	55.0	271 765	0.5	9 591 986	18.2	389 395	0.7	52 684 492	100.0
1969	12 516 925	25.8	284 132	0.6	25 369 456	52.2	219 620	0.5	9 767 893	20.1	405 690	0.8	48 563 716	100.0
1970	19 203 435	33.6	312 474	0.5	27 682 564	48.5	177 662	0.3	9 361 000	16.4	381 710	0.7	57 118 845	100.0
1971	21 611 142	37.8	361 486	0.6	24 355 750	42.6	226 271	0.4	10 230 138	17.9	420 686	0.7	57 205 473	100.0
1972	22 221 385	38.2	272 649	0.5	25 370 316	43.6	198 742	0.3	9 938 312	17.1	234 078	0.4	58 235 482	100.0
1973	23 154 377	38.0	249 655	0.4	27 498 737	45.1	122 915	0.2	9 743 800	16.0	188 506	0.3	60 957 990	100.0
1974	15 946 079	33.6	215 025	0.5	24 397 462	51.4	62 906	0.1	6 701 536	14.1	177 148	0.4	47 500 156	100.0
1975	20 782 433	38.3	124 822	0.2	26 903 227	49.6	68 273	0.1	6 135 682	11.3	279 683	0.5	54 294 120	100.0
1976	19 660 018	33.7	220 771	0.4	31 660 584	54.2	28 296	0.0	6 542 330	11.2	256 444	0.4	58 368 443	100.0
1977	22 962 230	35.3	203 229	0.3	32 560 082	50.0	47 444	0.1	9 069 285	13.9	235 177	0.4	65 077 447	100.0
1978	29 012 903	44.2	151 980	0.2	27 548 104	41.9	71 844	0.1	8 633 793	13.1	252 368	0.4	65 670 992	100.0
1979	26 280 395	39.7	129 700	0.2	29 895 591	45.2	66 073	0.1	9 542 655	14.4	250 132	0.4	66 164 546	100.0
1980	28 256 940	47.4	153 243	0.3	24 017 599	40.3	35 636	0.1	6 875 433	11.5	267 130	0.4	59 605 981	100.0
1981	25 746 229	43.7	152 928	0.3	25 358 357	43.1	29 424	0.0	7 331 337	12.5	232 600	0.4	58 850 875	100.0
1982	25 403 722	51.8	98 017	0.2	17 354 606	35.4	19 708	0.0	6 148 051	12.5	-	0.0	49 024 104	100.0
1983	24 969 488	49.8	60 119	0.1	18 094 828	36.1	15 555	0.0	7 005 096	14.0	-	0.0	50 145 086	100.0
1984	24 566 628	45.6	48 805	0.1	21 170 213	39.2	63 079	0.1	8 068 133	15.0	-	0.0	53 916 858	100.0
1985	17 135 063	40.9	52 827	0.1	17 125 276	40.9	31 751	0.1	7 506 843	17.9	-	0.0	41 851 760	100.0
1986	17 117 350	41.1	32 222	0.1	16 767 409	40.3	2 114	0.0	7 693 675	18.5	-	0.0	41 612 770	100.0
1987	19 167 314	44.9	19 899	0.1	16 508 988	38.6	3 785	0.0	7 024 769	16.4	-	0.0	42 724 755	100.0
1988	16 138 054	37.1	37 693	0.1	20 092 455	46.2	20 842	0.0	7 247 273	16.6	-	0.0	43 536 317	100.0
1989	12 283 468	30.8	35 556	0.1	20 077 371	50.3	35 159	0.1	7 477 896	18.7	-	0.0	39 909 450	100.0
TOTAL	576 684 268	38.0	6 107 561	0.4	697 878 268	45.9	4 237 913	0.3	227 061 333	14.9	7 450 270	0.5	1 519 419 613	100.0

SELECTED U.S. GRAINS
1959 –1989

HISTORICAL TABLE 22W

WELLAND CANAL SECTION

YEAR	WHEAT		CORN		RYE		OATS		BARLEY		SOYBEANS		FLAXSEED		SUNFLOWER SEEDS		TOTAL GRAINS	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	500 995	2.0	1 005 475	4.0	24 709	0.1	414 367	1.7	545 342	2.2	476 250	1.9	176 174	0.7	-	0.0	3 143 312	12.6
1960	708 730	2.7	1 179 312	4.4	77 113	0.3	292 636	1.1	527 659	2.0	831 555	3.1	80 546	0.3	-	0.0	3 697 551	13.9
1961	1 212 859	4.3	1 639 656	5.7	63 469	0.2	93 306	0.3	268 652	0.9	684 336	2.4	77 919	0.3	-	0.0	4 040 197	14.2
1962	835 930	2.6	2 256 378	7.0	247 325	0.8	390 948	1.2	653 913	2.0	984 089	3.1	100 008	0.3	-	0.0	5 468 591	17.0
1963	1 295 850	3.5	2 628 622	7.0	211 086	0.6	86 811	0.2	552 361	1.5	926 919	2.5	85 171	0.2	-	0.0	5 786 820	15.4
1964	812 976	1.7	3 094 063	6.6	71 024	0.2	54 866	0.1	707 295	1.5	1 288 672	2.8	144 532	0.3	-	0.0	6 173 428	13.2
1965	1 111 562	2.3	3 490 078	7.2	34 533	0.1	314 753	0.6	679 480	1.4	1 525 303	3.1	73 143	0.2	-	0.0	7 228 852	14.9
1966	1 614 980	3.0	3 279 749	6.1	93 927	0.2	369 598	0.7	540 456	1.0	1 451 408	2.7	143 134	0.3	-	0.0	7 493 252	13.9
1967	1 150 460	2.4	2 078 406	4.3	45 839	0.1	100 435	0.2	341 078	0.7	1 182 820	2.5	146 391	0.3	-	0.0	5 045 429	10.5
1968	1 536 421	2.9	3 046 469	5.8	39 251	0.1	37 112	0.1	146 427	0.3	1 474 138	2.8	199 074	0.4	-	0.0	6 478 892	12.3
1969	1 238 480	2.6	3 212 055	6.6	24 275	0.0	2 185	0.0	89 807	0.2	1 803 747	3.7	181 402	0.4	-	0.0	6 551 951	13.5
1970	1 556 008	2.7	2 624 246	4.6	864	0.0	203 140	0.4	1 071 347	1.9	2 636 995	4.6	58 710	0.1	-	0.0	8 151 310	14.3
1971	1 435 627	2.5	3 022 373	5.3	124 290	0.2	36 782	0.1	451 185	0.8	2 937 055	5.1	26 088	0.0	-	0.0	8 033 400	14.0
1972	2 219 093	3.8	3 370 984	5.8	3 907	0.0	93 396	0.2	916 693	1.6	1 733 015	3.0	259 647	0.4	-	0.0	8 596 735	14.8
1973	3 500 574	5.7	3 737 030	6.1	593 084	1.0	629 029	1.0	1 230 132	2.0	1 732 946	2.8	5 498	0.0	-	0.0	11 428 293	18.7
1974	1 654 258	3.5	2 702 182	5.7	242 167	0.5	335 765	0.7	342 131	0.7	1 260 124	2.7	100	0.0	-	0.0	6 536 727	13.8
1975	3 576 444	6.6	2 817 664	5.2	3 627	0.0	131 648	0.2	180 361	0.3	1 519 891	2.8	16 803	0.0	-	0.0	8 246 438	15.2
1976	1 588 121	2.7	3 937 714	6.7	3 289	0.0	126 465	0.2	632 981	1.1	1 449 554	2.5	5 743	0.0	-	0.0	7 743 867	13.3
1977	2 969 880	4.6	3 609 062	5.5	-	0.0	125 110	0.2	959 744	1.5	1 688 209	2.6	25 456	0.0	-	0.0	9 377 461	14.4
1978	5 537 514	8.4	5 991 648	9.1	-	0.0	126 331	0.2	287 112	0.4	2 523 762	3.8	11 965	0.0	-	0.0	14 478 332	22.0
1979	4 086 898	6.2	7 267 294	11.0	60 066	0.1	3 698	0.0	316 286	0.5	1 673 725	2.5	-	0.0	-	0.0	13 407 967	20.3
1980	3 645 127	6.1	5 908 633	9.9	137 520	0.2	36 590	0.1	737 423	1.2	1 589 578	2.7	2 215	0.0	1 205 564	2.0	13 262 650	22.3
1981	3 556 271	6.0	3 875 071	6.6	47 253	0.1	27 711	0.0	852 372	1.4	1 749 653	3.0	13 227	0.0	1 301 072	2.2	11 422 630	19.4
1982	2 856 250	5.8	3 049 131	6.2	9 670	0.0	7 057	0.0	371 819	0.8	1 255 533	2.6	14 291	0.0	1 140 147	2.3	8 703 898	17.8
1983	2 824 695	5.6	2 172 662	4.3	23 370	0.0	950	0.0	861 061	1.7	420 768	0.8	1 025	0.0	643 709	1.3	6 948 240	13.9
1984	3 145 207	5.8	2 387 026	4.4	8 401	0.0	3 052	0.0	631 537	1.2	1 016 969	1.9	5 180	0.0	755 960	1.4	7 953 332	14.8
1985	1 958 906	4.7	2 070 840	4.9	-	0.0	-	0.0	170 277	0.4	747 406	1.8	-	0.0	378 552	0.9	5 325 981	12.7
1986	2 371 464	5.7	737 885	1.8	5 500	0.0	-	0.0	332 051	0.8	1 116 132	2.7	31 504	0.1	193 957	0.5	4 788 493	11.5
1987	1 715 846	4.0	1 799 109	4.2	5 207	0.0	14 251	0.0	464 631	1.1	1 125 750	2.6	-	0.0	131 637	0.3	5 256 431	12.3
1988	2 070 330	4.8	2 188 297	5.0	10 410	0.0	-	0.0	599 748	1.4	634 087	1.5	-	0.0	14 106	0.0	5 516 978	12.7
1989	2 203 974	5.5	2 210 458	5.5	7 704	0.0	-	0.0	939 432	2.4	674 795	1.7	-	0.0	-	0.0	6 036 363	15.1
TOTAL	66 491 730	4.4	92 389 572	6.1	2 218 880	0.1	4 057 992	0.3	17 400 793	1.1	42 115 184	2.8	1 884 946	0.1	5 764 704	0.4	232 323 801	15.3

SELECTED CANADIAN GRAINS
1959–1989

HISTORICAL TABLE 23W

WELLAND CANAL SECTION

YEAR	WHEAT		CORN		RYE		OATS		BARLEY		SOYBEANS		FLAXSEED		SUNFLOWER SEEDS		TOTAL GRAINS	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	3 052 481	12.2	24 563	0.1	3 369	0.0	327 687	1.3	698 005	2.8	67 233	0.3	154 222	0.6	-	0.0	4 327 560	17.3
1960	3 364 993	12.7	32 078	0.1	10 147	0.0	214 487	0.8	763 708	2.9	62 913	0.2	217 404	0.8	-	0.0	4 665 730	17.6
1961	5 335 203	18.7	12 888	0.0	74 403	0.3	219 199	0.8	546 700	1.9	73 346	0.3	197 088	0.7	-	0.0	6 458 827	22.6
1962	3 975 018	12.4	25 399	0.1	115 164	0.4	259 643	0.8	519 692	1.6	47 624	0.1	202 588	0.6	-	0.0	5 145 128	16.0
1963	5 731 909	15.3	12 422	0.0	74 112	0.2	458 664	1.2	678 925	1.8	27 505	0.1	183 045	0.5	-	0.0	7 166 582	19.1
1964	8 084 560	17.3	18 355	0.0	68 230	0.1	376 868	0.8	624 041	1.3	16 645	0.0	241 945	0.5	-	0.0	9 430 644	20.2
1965	6 846 553	14.1	33 348	0.1	43 187	0.1	536 100	1.1	708 379	1.5	56 468	0.1	271 343	0.6	-	0.0	8 495 378	17.5
1966	9 003 989	16.7	19 928	0.0	124 845	0.2	358 176	0.7	792 061	1.5	44 186	0.1	343 131	0.6	-	0.0	10 686 316	19.9
1967	5 489 008	11.5	2 834	0.0	93 722	0.2	352 118	0.7	1 097 249	2.3	70 983	0.1	245 114	0.5	-	0.0	7 351 028	15.3
1968	4 667 740	8.9	50 955	0.1	54 643	0.1	234 842	0.4	499 431	0.9	52 953	0.1	121 357	0.2	-	0.0	5 681 921	10.8
1969	3 618 458	7.5	56 530	0.1	41 762	0.1	242 160	0.5	783 804	1.6	47 266	0.1	214 087	0.4	-	0.0	5 004 067	10.3
1970	6 338 182	11.1	133 504	0.2	48 944	0.1	325 644	0.6	2 763 257	4.8	47 301	0.1	308 495	0.5	-	0.0	9 965 327	17.4
1971	7 442 293	13.0	182 777	0.3	109 676	0.2	339 427	0.6	3 332 398	5.8	54 183	0.1	418 193	0.7	-	0.0	11 878 947	20.8
1972	7 787 568	13.4	105 636	0.2	94 688	0.2	320 082	0.5	3 156 129	5.4	49 489	0.1	344 229	0.6	-	0.0	11 857 821	20.4
1973	7 287 969	12.0	58 277	0.1	69 464	0.1	225 559	0.4	2 083 703	3.4	51 923	0.1	280 167	0.5	-	0.0	10 057 062	16.5
1974	6 731 579	14.2	31 439	0.1	48 841	0.1	119 777	0.3	1 359 424	2.9	31 456	0.1	201 341	0.4	-	0.0	8 523 857	17.9
1975	8 296 470	15.3	307 148	0.6	227 374	0.4	318 006	0.6	2 165 025	4.0	38 489	0.1	121 662	0.2	-	0.0	11 474 174	21.1
1976	7 098 406	12.2	347 485	0.6	107 803	0.2	534 489	0.9	2 486 503	4.3	37 979	0.1	137 343	0.2	-	0.0	10 750 008	18.4
1977	8 900 362	13.7	478 898	0.7	70 291	0.1	440 478	0.7	2 021 235	3.1	26 899	0.0	236 179	0.4	-	0.0	12 174 342	18.7
1978	8 928 112	13.6	661 875	1.0	83 647	0.1	180 776	0.3	2 356 594	3.6	51 681	0.1	266 264	0.4	-	0.0	12 528 949	19.1
1979	6 453 849	9.8	192 457	0.3	142 917	0.2	151 605	0.2	3 092 568	4.7	40 478	0.1	326 338	0.5	-	0.0	10 400 212	15.7
1980	10 649 783	17.9	864 716	1.5	365 406	0.6	277 900	0.5	1 528 904	2.6	78 398	0.1	250 637	0.4	79 005	0.1	14 094 749	23.6
1981	9 009 025	15.3	1 197 690	2.0	351 553	0.6	140 990	0.2	2 332 340	4.0	11 697	0.0	266 766	0.5	58 022	0.1	13 368 083	22.7
1982	11 398 883	23.3	854 334	1.7	259 610	0.5	145 304	0.3	2 945 237	6.0	69 767	0.1	249 093	0.5	2 531	0.0	15 924 759	32.5
1983	12 656 291	25.2	812 484	1.6	109 287	0.2	81 558	0.2	3 015 068	6.0	58 184	0.1	359 750	0.7	-	0.0	17 092 622	34.1
1984	13 124 885	24.3	571 202	1.1	7 257	0.0	61 304	0.1	1 864 689	3.5	84 302	0.2	227 519	0.4	7 056	0.0	15 948 214	29.6
1985	9 720 211	23.2	557 673	1.3	4 350	0.0	35 598	0.1	571 414	1.4	96 921	0.2	339 500	0.8	-	0.0	11 325 667	27.0
1986	9 067 032	21.8	386 885	0.9	32 164	0.1	68 198	0.2	1 650 639	4.0	153 573	0.4	370 568	0.9	-	0.0	11 729 059	28.2
1987	11 085 376	25.9	461 804	1.1	28 893	0.1	95 712	0.2	1 008 599	2.4	148 263	0.3	374 843	0.9	-	0.0	13 203 490	30.9
1988	8 709 022	20.0	248 048	0.6	5 900	0.0	35 889	0.1	528 954	1.2	130 319	0.3	258 288	0.6	-	0.0	9 916 420	22.8
1989	5 071 541	12.7	76 996	0.2	17 679	0.0	18 525	0.1	293 205	0.7	63 650	0.2	236 815	0.6	-	0.0	5 778 411	14.5
TOTAL	234 926 751	15.5	8 820 628	0.6	2 889 328	0.2	7 496 765	0.5	48 267 880	3.2	1 892 074	0.1	7 965 314	0.5	146 614	0.0	312 405 354	20.6

SELECTED MINING COMMODITIES
1959 –1989

HISTORICAL TABLE 24W

WELLAND CANAL SECTION

YEAR	COAL		COKE		IRON ORE		CLAY & BENTONITE		GRAVEL & SAND		STONE		SALT		SULPHUR		OTHER MINE	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	4 393 495	17.6	47 685	0.2	6 273 466	25.1	36 051	0.1	90 338	0.4	657 439	2.6	123 676	0.5	73 697	0.3	445 077	1.8
1960	3 988 786	15.0	93 693	0.4	7 127 278	26.9	47 566	0.2	84 575	0.3	825 900	3.1	144 429	0.5	57 014	0.2	363 909	1.4
1961	3 952 358	13.9	143 418	0.5	6 052 849	21.2	66 312	0.2	75 702	0.3	617 811	2.2	191 033	0.7	76 620	0.3	359 189	1.3
1962	4 400 776	13.7	197 771	0.6	9 313 711	29.0	74 940	0.2	106 865	0.3	951 708	3.0	235 666	0.7	59 408	0.2	223 831	0.7
1963	4 571 587	12.2	223 861	0.6	11 572 028	30.9	123 248	0.3	124 216	0.3	890 963	2.4	295 909	0.8	67 554	0.2	239 206	0.6
1964	5 708 589	12.2	231 945	0.5	15 268 481	32.8	128 843	0.3	113 321	0.2	917 628	2.0	308 867	0.7	71 010	0.2	578 142	1.2
1965	6 514 958	13.4	188 384	0.4	14 636 925	30.2	159 466	0.3	146 344	0.3	793 598	1.6	566 073	1.2	-	0.0	630 471	1.3
1966	6 951 322	12.9	215 646	0.4	16 016 776	29.8	167 161	0.3	137 933	0.3	1 285 312	2.4	694 269	1.3	-	0.0	637 493	1.2
1967	7 883 467	16.5	235 822	0.5	15 001 988	31.3	186 582	0.4	20 699	0.0	1 025 522	2.1	794 122	1.7	21 882	0.0	752 418	1.6
1968	8 885 333	16.9	314 821	0.6	16 559 190	31.4	223 036	0.4	65 403	0.1	1 337 867	2.5	939 264	1.8	-	0.0	670 310	1.3
1969	9 789 435	20.2	279 143	0.6	12 257 905	25.2	220 890	0.5	96 074	0.2	1 195 824	2.5	740 730	1.5	-	0.0	789 455	1.6
1970	9 762 611	17.1	417 710	0.7	14 597 689	25.6	281 217	0.5	115 982	0.2	891 201	1.6	982 450	1.7	-	0.0	633 705	1.1
1971	8 386 062	14.7	453 063	0.8	12 332 418	21.6	288 928	0.5	227 916	0.4	855 599	1.5	1 077 595	1.9	-	0.0	734 170	1.3
1972	9 031 057	15.5	527 918	0.9	12 457 540	21.4	143 742	0.2	119 318	0.2	1 006 819	1.7	1 472 442	2.5	-	0.0	611 480	1.1
1973	7 383 928	12.1	591 467	1.0	15 588 483	25.6	196 070	0.3	34 846	0.1	1 293 970	2.1	1 387 836	2.3	-	0.0	1 022 137	1.7
1974	5 882 132	12.4	445 024	0.9	13 529 443	28.5	263 855	0.6	115 504	0.2	1 307 181	2.8	1 405 854	3.0	76 722	0.2	1 371 748	2.9
1975	7 700 819	14.2	802 834	1.5	14 940 372	27.5	172 852	0.3	269 173	0.5	1 072 232	2.0	1 356 108	2.5	31 576	0.1	557 260	1.0
1976	6 743 696	11.6	1 746 942	3.0	19 549 492	33.5	250 932	0.4	294 387	0.5	996 977	1.7	1 507 482	2.6	43 742	0.1	526 934	0.9
1977	6 734 179	10.3	2 101 541	3.2	19 926 554	30.6	333 665	0.5	289 440	0.4	1 013 613	1.6	1 489 821	2.3	14 309	0.0	656 959	1.0
1978	5 408 206	8.2	2 525 771	3.8	15 679 922	23.9	195 022	0.3	84 801	0.1	1 318 178	2.0	1 380 969	2.1	7 214	0.0	942 021	1.4
1979	7 790 521	11.8	2 502 543	3.8	15 118 140	22.8	261 667	0.4	313 224	0.5	1 522 882	2.3	1 492 636	2.3	152 891	0.2	741 087	1.1
1980	7 292 903	12.2	1 434 884	2.4	11 417 850	19.2	276 158	0.5	215 696	0.4	1 153 395	1.9	1 417 627	2.4	157 181	0.3	651 905	1.1
1981	6 543 019	11.1	971 038	1.6	13 735 690	23.3	198 725	0.3	224 838	0.4	1 050 200	1.8	1 762 967	3.0	28 233	0.0	843 647	1.4
1982	7 141 242	14.6	756 836	1.5	7 016 008	14.3	142 492	0.3	130 449	0.3	115 435	0.2	1 419 270	2.9	3 013	0.0	629 861	1.3
1983	5 494 597	11.0	683 081	1.4	9 229 290	18.4	76 849	0.2	203 063	0.4	402 008	0.8	1 455 070	2.9	-	0.0	550 870	1.1
1984	6 603 148	12.2	858 598	1.6	10 088 727	18.7	157 206	0.3	318 736	0.6	537 791	1.0	1 725 967	3.2	-	0.0	880 040	1.3
1985	5 807 694	13.9	921 887	2.2	6 788 799	16.2	162 410	0.4	176 291	0.4	815 313	1.9	1 521 180	3.6	-	0.0	931 702	2.2
1986	5 775 521	13.9	993 268	2.4	5 839 484	14.0	161 366	0.4	82 436	0.2	1 005 908	2.4	1 882 656	4.5	-	0.0	1 026 770	2.5
1987	5 644 283	13.2	822 061	1.9	6 180 641	14.5	164 766	0.4	89 372	0.2	889 303	2.1	1 766 446	4.1	-	0.0	952 116	2.2
1988	7 029 061	16.1	1 638 341	3.8	7 083 883	16.3	240 823	0.6	226 492	0.5	1 007 689	2.3	1 672 709	3.8	-	0.0	1 193 457	2.7
1989	6 321 198	15.8	1 412 270	3.5	7 293 840	18.3	215 214	0.5	241 749	0.6	1 187 261	3.0	2 176 005	5.5	-	0.0	1 229 834	3.1
TOTAL	205 515 983	13.5	24 779 266	1.6	368 474 862	24.3	5 618 054	0.4	4 835 183	0.3	29 942 527	2.0	35 393 128	2.3	942 066	0.1	22 377 204	1.5

SELECTED PROCESSED COMMODITIES
1959 –1989

HISTORICAL TABLE 25W

WELLAND CANAL SECTION

YEAR	GASOLINE		FUEL OIL		CHEMICALS		SODIUM PRODUCTS		PIG IRON		MANUFACTURED IRON & STEEL		CEMENT		SCRAP IRON & STEEL		OTHER PROCESSED	
	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%	TONNES	%
1959	259 174	1.0	750 131	3.0	128 333	0.5	100 623	0.4	95 169	0.4	344 447	1.4	130 717	0.5	226 152	0.9	1 974 079	7.9
1960	279 785	1.1	667 419	2.5	121 873	0.5	102 158	0.4	49 435	0.2	544 917	2.1	110 935	0.4	523 161	2.0	1 758 693	6.6
1961	283 635	1.0	754 062	2.6	109 633	0.4	92 682	0.3	222 802	0.8	418 834	1.5	86 574	0.3	1 141 582	4.0	1 996 052	7.0
1962	192 190	0.6	808 841	2.5	127 568	0.4	116 512	0.4	144 569	0.5	539 807	1.7	128 126	0.4	219 056	0.7	1 939 207	6.0
1963	176 450	0.5	701 034	1.9	134 464	0.4	106 442	0.3	117 196	0.3	672 541	1.8	126 041	0.3	266 688	0.7	2 358 358	6.3
1964	208 715	0.4	836 498	1.8	224 280	0.5	124 082	0.3	224 232	0.5	1 004 994	2.2	112 821	0.2	361 783	0.8	2 304 690	4.9
1965	235 011	0.5	956 654	2.0	177 131	0.4	116 799	0.2	278 403	0.6	2 525 184	5.2	149 874	0.3	116 774	0.2	2 507 331	5.2
1966	244 868	0.5	954 253	1.8	216 195	0.4	106 094	0.2	298 780	0.6	2 540 418	4.7	106 018	0.2	159 264	0.3	2 689 511	5.0
1967	285 033	0.6	1 086 671	2.3	263 173	0.5	93 715	0.2	209 568	0.4	2 841 508	5.9	84 527	0.2	386 912	0.8	2 244 505	4.7
1968	257 688	0.5	1 174 870	2.2	230 350	0.4	107 159	0.2	220 931	0.4	4 709 013	8.9	20 978	0.0	395 731	0.8	2 475 265	4.7
1969	352 033	0.7	1 146 095	2.4	292 246	0.6	138 931	0.3	216 571	0.4	3 803 564	7.8	125 564	0.3	1 127 054	2.3	2 565 835	5.3
1970	233 117	0.4	1 372 448	2.4	268 746	0.5	136 366	0.2	274 315	0.5	3 750 360	6.6	174 137	0.3	825 524	1.4	2 325 988	4.1
1971	151 885	0.3	1 113 684	1.9	319 204	0.6	133 471	0.2	107 710	0.2	5 424 560	9.5	160 319	0.3	229 508	0.4	2 589 796	4.5
1972	164 688	0.3	1 249 948	2.1	364 950	0.6	146 998	0.3	157 159	0.3	4 765 548	8.2	164 883	0.3	384 742	0.7	2 539 394	4.4
1973	114 049	0.2	1 956 435	3.2	378 719	0.6	138 512	0.2	129 732	0.2	3 654 937	6.0	219 954	0.4	804 954	1.3	2 346 508	3.8
1974	152 956	0.3	1 069 157	2.3	302 171	0.6	108 596	0.2	118 717	0.2	2 980 512	6.3	221 674	0.5	112 933	0.2	1 634 820	3.4
1975	155 079	0.3	1 032 553	1.9	343 033	0.6	130 026	0.2	111 620	0.2	2 012 942	3.7	191 466	0.4	559 475	1.0	1 599 488	2.9
1976	211 048	0.4	725 982	1.2	395 371	0.7	95 209	0.2	114 773	0.2	2 673 885	4.6	165 553	0.3	415 016	0.7	1 745 493	3.0
1977	110 002	0.2	958 013	1.5	450 723	0.7	101 782	0.2	148 565	0.2	4 715 500	7.2	222 796	0.3	354 157	0.5	2 007 746	3.1
1978	105 257	0.2	910 793	1.4	577 389	0.9	158 056	0.2	231 298	0.4	3 398 295	5.2	412 708	0.6	590 828	0.9	2 249 169	3.4
1979	232 261	0.4	1 674 771	2.5	600 267	0.9	180 811	0.3	122 742	0.2	2 888 762	4.4	575 536	0.9	545 474	0.8	2 722 031	4.1
1980	173 677	0.3	1 664 553	2.8	599 824	1.0	281 625	0.5	192 653	0.3	1 308 997	2.2	295 897	0.5	674 072	1.1	1 684 135	2.8
1981	150 538	0.3	1 821 541	3.1	594 420	1.0	253 467	0.4	191 674	0.3	2 390 026	4.1	285 501	0.5	63 453	0.1	1 580 717	2.7
1982	173 991	0.4	1 072 472	2.2	687 433	1.4	210 657	0.4	141 993	0.3	1 730 220	3.5	237 573	0.5	421 573	0.9	1 472 139	3.0
1983	218 092	0.4	835 488	1.7	508 286	1.0	252 866	0.5	150 896	0.3	2 782 095	5.5	409 794	0.8	366 974	0.7	1 480 605	3.0
1984	251 160	0.5	678 186	1.3	505 130	0.9	130 189	0.2	218 538	0.4	3 962 917	7.4	531 399	9.9	325 725	0.6	1 053 561	2.0
1985	141 601	0.3	628 613	1.5	607 910	1.5	170 520	0.4	89 263	0.2	3 094 923	7.4	309 120	0.7	753 927	1.8	1 710 966	4.1
1986	186 564	0.4	603 625	1.5	776 373	1.9	225 014	0.5	71 730	0.2	2 850 070	6.8	347 060	0.8	782 966	1.9	1 850 273	4.4
1987	97 982	0.2	569 051	1.3	627 657	1.5	159 538	0.4	104 815	0.2	2 674 513	6.2	549 874	1.3	372 318	0.9	1 869 021	4.4
1988	126 537	0.3	669 756	1.5	801 269	1.8	112 888	0.3	82 921	0.2	3 034 185	7.0	488 672	1.1	364 658	0.8	1 566 387	3.6
1989	275 681	0.7	637 605	1.6	864 621	2.2	34 820	0.1	65 164	0.2	3 092 769	7.7	367 748	0.9	313 738	0.8	1 825 750	4.6
TOTAL	6 200 747	0.4	31 081 202	2.0	12 598 742	0.8	4 366 608	0.3	4 903 934	0.3	83 131 243	5.5	7 513 839	0.5	14 186 172	0.9	62 667 513	4.1

CARGO TONNES BY ORIGIN-DESTINATION
1959 - 1989

HISTORICAL TABLE 26W

WELLAND CANAL SECTION

FROM:	UPBOUND						DOWNBOUND						TOTAL
	CANADA		U.S.A.		OVERSEAS		CANADA			U.S.A.			
TO:	CANADA	U.S.A.	CANADA	U.S.A.	CANADA	U.S.A.	CANADA	U.S.A.	OVERSEAS	CANADA	U.S.A.	OVERSEAS	
1959	1 115 120	6 297 065	82 953	293 306	59 305	918 351	4 802 355	80 567	469 049	7 716 059	615 268	2 531 346	24 980 744
1960	1 128 138	5 241 759	40 376	282 613	100 504	802 209	4 937 327	30 655	775 128	8 998 712	663 453	3 533 996	26 534 870
1961	1 205 974	4 552 848	15 654	235 570	60 978	884 925	6 947 102	3 116	692 425	9 254 630	637 266	4 044 828	28 535 316
1962	1 250 787	7 202 802	-	282 513	51 899	1 048 921	5 786 420	20 879	594 116	10 687 787	671 072	4 522 862	32 120 058
1963	1 065 020	9 095 379	8 336	316 217	97 118	1 349 650	7 506 977	4 812	703 837	13 089 801	580 084	3 652 653	37 469 884
1964	1 135 279	13 401 801	-	301 867	165 850	1 815 631	9 918 392	18 571	671 260	13 549 111	568 197	5 072 913	46 618 872
1965	1 273 324	12 954 679	9 381	264 360	159 469	3 435 873	8 886 907	55 770	955 760	14 281 667	550 077	5 634 702	48 461 969
1966	1 504 250	14 897 621	6 616	240 780	156 800	3 667 671	11 442 371	64 470	826 390	14 012 718	652 542	6 298 120	53 770 349
1967	1 347 421	14 753 687	-	233 488	109 606	3 880 620	7 723 016	24 269	1 113 772	12 962 617	673 354	5 086 043	47 907 893
1968	1 443 938	16 082 652	18 693	271 751	159 138	5 775 299	7 109 710	33 599	672 237	15 050 893	551 672	5 514 910	52 684 492
1969	1 545 655	11 224 129	-	243 235	234 364	4 332 753	7 125 220	3 281	554 247	16 488 126	530 487	6 282 219	48 563 716
1970	1 459 051	13 266 645	-	197 167	169 398	4 115 657	12 761 329	21 187	928 721	17 603 899	597 265	5 998 526	57 118 845
1971	1 250 914	11 646 945	14 148	124 038	274 450	6 281 135	14 119 566	22 429	1 426 486	13 424 330	553 492	8 067 540	57 205 473
1972	1 529 106	11 598 189	3 062	122 100	253 882	5 653 843	14 209 642	31 694	1 543 663	14 027 283	482 875	8 780 143	58 235 482
1973	1 360 819	15 191 099	16 010	133 894	263 484	4 548 125	13 044 640	56 629	1 064 502	15 969 464	383 701	8 925 623	60 957 990
1974	1 115 237	12 989 535	14 825	105 871	127 623	3 926 881	11 408 373	40 526	1 153 118	12 040 674	266 985	4 310 508	47 500 156
1975	1 063 176	12 937 855	6 960	91 465	152 129	2 885 990	14 276 732	187 201	1 032 563	15 300 479	245 823	6 113 747	54 294 120
1976	793 973	18 007 031	-	80 512	182 936	4 221 402	13 559 582	64 018	1 214 787	13 707 867	262 542	6 273 793	58 368 443
1977	1 170 445	19 005 288	-	48 250	280 044	6 862 860	15 025 766	112 987	1 509 578	13 082 569	232 512	7 747 148	65 077 447
1978	832 691	13 610 818	69 081	90 068	352 631	6 302 488	15 439 037	130 255	1 715 041	15 531 028	265 653	11 332 201	65 670 992
1979	713 125	13 958 502	32 339	85 347	295 577	5 201 260	14 731 414	218 802	1 804 230	19 052 463	185 848	9 885 639	66 164 546
1980	858 093	9 054 074	-	72 106	237 349	1 764 726	16 674 572	415 745	2 796 075	20 154 080	439 287	7 139 874	59 605 981
1981	995 939	12 139 082	-	47 526	490 256	2 929 077	15 787 684	568 445	2 564 578	17 282 339	196 683	5 849 266	58 850 875
1982	481 542	5 772 584	13 788	2 817	304 437	2 249 304	17 634 072	366 136	2 370 138	13 795 173	132 747	5 901 366	49 024 104
1983	768 254	7 919 235	11 037	23 119	321 833	3 261 849	19 277 286	235 853	1 985 059	10 333 512	130 482	5 877 567	50 145 086
1984	710 699	8 142 640	10 538	16 693	446 830	4 752 393	18 286 055	393 063	1 700 224	12 851 014	93 878	6 512 831	53 916 858
1985	660 510	6 159 577	14 354	21 155	349 026	3 682 879	13 012 693	574 427	1 408 901	10 685 635	25 667	5 256 936	41 851 760
1986	685 615	5 421 405	25 806	42 203	385 297	3 663 704	13 740 632	373 826	1 535 231	9 956 539	80 212	5 702 300	41 612 770
1987	826 032	6 708 652	34 818	20 893	403 273	3 436 375	14 652 471	381 343	1 726 559	9 341 713	34 030	5 158 596	42 724 755
1988	1 021 144	6 877 770	21 078	21 305	806 021	3 616 674	11 780 819	387 883	1 733 560	12 464 213	64 567	4 741 283	43 536 317
1989	1 294 121	7 133 803	7 280	45 773	375 159	3 256 972	8 110 039	278 393	1 641 103	13 277 162	91 972	4 397 673	39 909 450
TOTAL	33 605 392	333 245 151	477 133	4 358 002	7 826 666	110 525 497	369 718 201	5 200 831	40 882 338	415 973 557	11 459 693	186 147 152	1 519 419 613